

NATIONAL REPORT OF POLAND

Executive summary

This report summarizes activities of the Hydrographic Office/Service in the field of hydrography since the previous Baltic Sea Hydrographic Commission 15th Conference in 2010.

1. Hydrographic Office / Service

AS In the IHO Yearbook

2. Hydrographic surveys

Between 1 July and 31 December 2010, in Polish waters, hydrographic surveys (only naval service) were carried out as follows:

2010

- a) 3,46 km² - HELCOM routes, Southern Baltic
- b) 118,564 km² - coastal routes
- c) 94,744 km² - inland waters
- d) 13,173 km² - harbour areas

2011 (until 30 June)

- e) 124,928 km² - HELCOM routes, Southern Baltic
- f) 144,236 km² - coastal routes
- g) 75,592 km² - inland waters
- h) 16,61 km² - harbour areas

All surveys comply with the IHO S-44 Standards Special, 1a and 1b.

3. New Charts & Updates

ENCs:

All Polish waters are covered with all relevant navigational bands.

Total: 55 cells in navigational bands 2 to 5 (Band 2 – 1 cell, Band 3 – 15 cells, Band 4 – 13 cells, Band 5 – 26 cells)

ENCs are updated in real time.

In 2010 - 28 new editions and 210 updates were released.

In 2011, until 22 Sept - 28 new editions and 206 updates were released.

ENC Distribution method

Distribution Agreement entered into with the Norwegian Hydrographic Service (PRIMAR).

RNCs

Not produced

INT Charts

2010:

- 1021 Bałtyk – Część południowa
- 1288 Bałtyk. Zatoka Gdańska – Część zachodnia
- 1289 Bałtyk. Zatoka Gdańska. Podejście do portów Gdańsk i Gdynia
- 1290 Bałtyk. Zatoka Gdańska. Plan portu Gdańsk. Plan portu Gdynia
- 1292 Bałtyk. Od Ustki do Rozewia
- 1293 Bałtyk. Od Niechorza do Ustki

2011: 1218 Bałtyk. Wybrzeże Południowe – Część wschodnia

1219 Bałtyk. Wybrzeże Południowe – Część zachodnia

National Paper Charts

Updates:

2010: NONE

2011:

- 64 Bałtyk. Wielki Bełt – Część północna
- 68 Bałtyk. Cieśnina Sund – Część południowa
- 155 Bałtyk Zachodni. Warnemünde – Sund – Arkona
- 261 Bałtyk. Podejście do Zatoki Fińskiej i Zatoki Botnickiej
- 262 Bałtyk. Zatoka Fińska – Część zachodnia
- 263 Bałtyk. Zatoka Fińska – Część wschodnia
- 269 Bałtyk. Kattegat
- 270 Morze Północne. Skagerrak – Część wschodnia
- 499 Bałtyk. Cieśniny Bałtyckie

New Charts:

2010:

- 11 Bałtyk. Zatoka Gdańska. Wisła Śmiała
- 53 Bałtyk. Wybrzeże Polskie. Podejście do portu Łeba
- 54 Bałtyk. Wybrzeże Polskie. Podejście do portu Ustka
- 56 Bałtyk. Wybrzeże Polskie. Podejście do portu Darłowo
- 57 Bałtyk. Wybrzeże Polskie. Podejście do portu Kołobrzeg

2011:

71 Bałtyk. Zatoka Gdańska – Część wschodnia

Other Charts, e.g. for pleasure craft

2010 & 2011:

3020 Bałtyk. Od Świnoujścia do Szczecina

3021 Bałtyk Południowy. Środkowa część wybrzeża polskiego

3022 Bałtyk. Zatoka Gdańska i Zalew Wiślany (all in co-operation between HOPN and BSH)

Problems encountered: NONE

4. New publications & Updates

Updates:

2010 & 2011:

521 - List of Lights, Ed. 2010

522 - List of Lights, Ed. 2011

532 – List of Radio Signals, Ed. 2010

551 - Symbols, abbreviations, terms used on charts published by HOPN, Ed. 2010

553 - Maritime Buoyage System, Ed. 2010

In addition: updates to the List of Lights – 523 and List of Radio Signals – 531 are scheduled to be released in Oct 2011.

5. MSI

Existing Infrastructure for Transmission

Since HOPN plays the role of the National Hydrographic Service, it is also a part of the general Polish Maritime Administration and operates as the National Coordinator of Navigational Warnings in the Polish Area of Responsibility. NAVTEX Service covers Polish waters, with messages being transmitted by the Witowo-Radio. In total, in 2010, 254 Navigational Warnings were promulgated by HOPN as Coastal and Subarea NavWarns. In 2011, until 18 August, HOPN promulgated 138 NavWarn.

6. S-55

Latest update (Tables)

See Annex 1 - 2

7. Capacity Building

A concept of the National System of Marine Geospatial Information is envisaged to be developed during next few years.

8. Oceanographic activities

The Maritime Branch of the Institute of Meteorology and Water Management – National Research Institute (MBofIMWM-NRI) of Gdynia is the organization responsible for oceanographic services in Poland. It provides daily forecasts of water temperature, salinity, currents, sea level, and ice for the Southern Baltic. The forecasts are based on the HIROMB model and local models for the Gulf of Gdansk, Vistula Lagoon, and Pomeranian Bay. All forecasts are available on the Internet.

GEBCO/IBC activities:

Tide gauges network of MBofIMWM-NRI of Gdynia – automatic stations measuring water level along Polish coast

Ferry-Box system of MBofIMWM-NRI of Gdynia installed in a ferry operated by the Stena Line Company, plying the Gdynia-Karlskrona route. The system measures water temperature, salinity, oxygen, fluorescence, and can collect water samples for further analysis

Problems encountered: NONE

9. Other activities

Participation in IHO Working Groups:

BSHC and working groups established within the Commission (Monitoring Group, Group for the Seawater Level, BSICCWG)

PRIMAR-Stavanger – PSAC and the Technical Experts Working Group

IMO – NAV Subcommittee

Meteorological data collection – The MBofIMWM-NRI of Gdynia is the organization responsible for weather forecast covering five areas of the Baltic Sea: western, southern, southeastern, central, and northern. The Institute maintains a network of weather stations set up along the Polish coast and collects data captured during meteorological measurements taken by commercial and research vessels.

Geospatial studies – In immediate years, it is planned that a concept of a National System of the Marine Geospatial Information will be developed.

Environmental protection – The MBofIMWM-NRI in Gdynia is the organization responsible for the environmental monitoring within Polish EEZ in compliance with the HELCOM Combine scheme.

Astronomical observations – NONE

Magnetic/Gravity surveys – NONE

International etc.

**Annex 1
Basic Data**

Maritime Nation/Area	Nation or Area Code	Region ID	Nation or Area (N or A)	EEZ (sq km x 1000)	Length of Coastline (km)	Data for S-55 Edition No.	Latest Update	IHO Member State
Poland	PL	EU	N	33.2	524.0	1	Apr-07	Y

**Annex 2
Hydrographic Resources**

Maritime Nation/Area	Hydrographic Surveying Vessels				Hydrographic Personnel /Polish Navy only/		Positioning Methods		
	> 100 m	50 m - 100 m	25 m - 50 m	< 25 m	Specialists	Assistants	Long > 40 km	Medium 5-40 km	Short Range
Poland		2		5	14	12	DGPS	DGPS	DGPS RTK