

## NATIONAL REPORT OF POLAND

### Executive summary

This report summarizes activities of the Hydrographic Office of the Polish Navy since the previous Baltic Sea Hydrographic Commission 29th Conference in 2024.

### 1. Hydrographic Office / Service

The National Hydrographic Service in Poland is created by the Hydrographic Office of the Polish Navy (HOPN) and the Maritime Administration. The HOPN is located in the Ministry of Defence. The main responsibility of HOPN is:

- hydrographic surveys coordination,
- paper charts compilation and production,
- nautical publications production,
- ENCs service,
- national hydrographic database maintenance,
- Navigational Warning System coordination, MSI system supporting.

### 2. Hydrographic surveys

Hydrographic surveys conducted in 2024 and 2025 were focused on finishing the last Cat. I HELCOM route (DWR-02) and also on shallow water areas Cat. III - critical for the safety of navigation. Surveys were conducted by the Hydrographic Support Squadron with use of:

- hydrographic ships: ORP Heweliusz, ORP Arctowski,
- motorboats: MH-1/2/3/4, Homar-2
- RIBs: Homar-2, Arctowski-1/2, Heweliusz-1,
- ASV: DriX, Z-Boat 1800,
- AUV: Gavia.

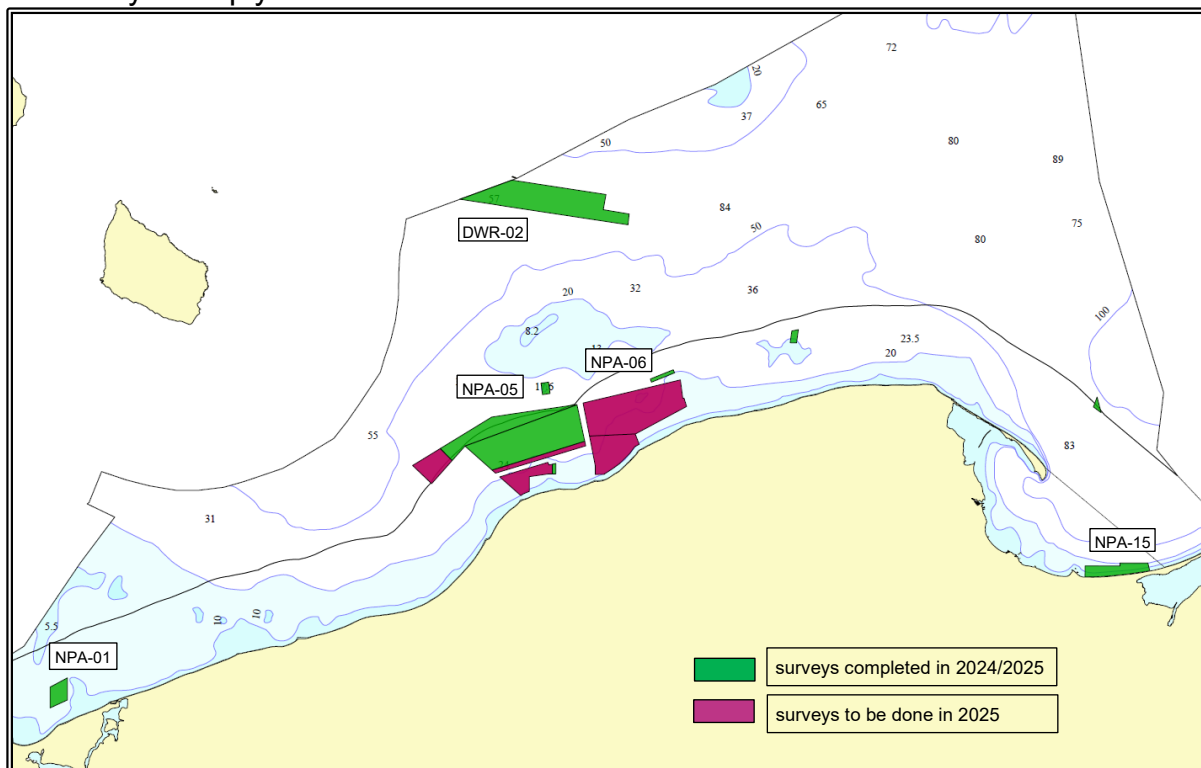


Pic.1 Hydrographic units.

Between 12th July 2024 and 16th July 2025, in Polish waters, hydrographic surveys were carried out as follows:

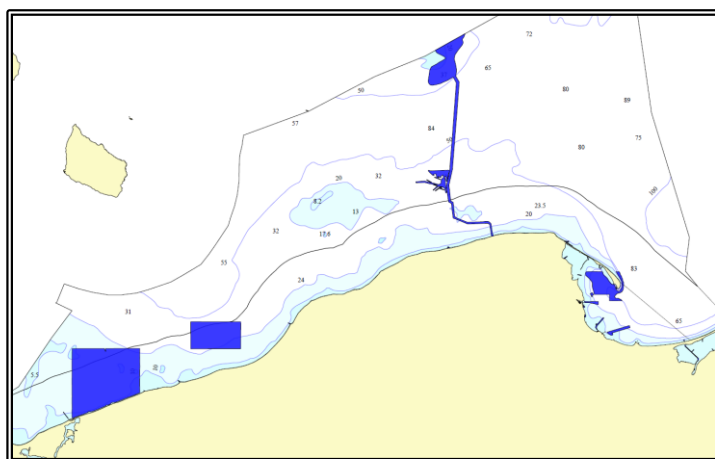
- 268.3 km<sup>2</sup> - HELCOM routes Cat. I (DWR-02),
- 548.2 km<sup>2</sup> - HELCOM routes Cat. III (NPA-01, NPA-05, NPA-15).

All surveys comply with the IHO S-44 1a standard.



Pic. 2 Hydrographic surveys conducted in 2024/2025.

Since the completion of surveys HELCOM routes Cat. I in 2024 and Cat. II in 2021, hydrographic surveys are focused on HELCOM routes Cat. III. The plan for the next 3-4 years is to survey all territorial waters and also waters shallower than 20 meters.



Pic. 3 Hydrographic data provided by commercial companies.

In accordance with legal regulations, the final results of all commercial surveys conducted in Polish waters must be submitted to the national database maintained by the Hydrographic Office of the Polish Navy. Between July 2024 and July 2025, HOPN received data from an area of 1755 km<sup>2</sup>.

In 2023-2024 the Ministry of Climate and Environment carried out a project called "Marine Habitat Monitoring" in Polish waters. In 2024 bathymetric and sonar data from the Project was transferred to HOPN. The data is currently being processed at HOPN for the cartographic purposes. In 2024, data from an area of 4500 km<sup>2</sup> was submitted. Additional data is expected in 2025.

### 3. New Charts & Updates

#### a) ENC:

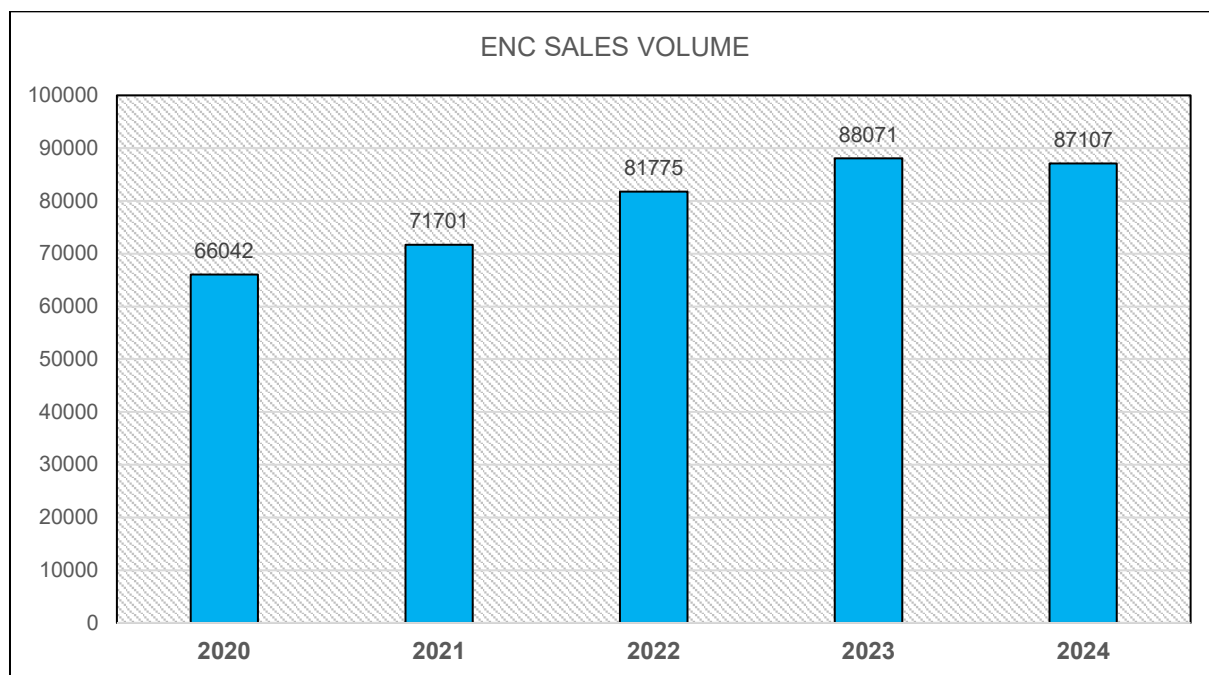
Polish waters are completely covered with all relevant navigational bands.

Total: 68 cells in navigational purpose bands from 1 to 6 (band 1 – 1 cell, band 2 – 1 cell, band 3 – 15 cells, band 4 – 16 cells, band 5 – 34 cells, band 6 HD – 1).

ENCs are updated on a weekly basis.

In the year 2024 11 new editions and 335 updates were released.

In the year 2025 (until July 1st) – 1 new ENC (band 1), 17 new editions and 231 updates were released.



Pic. 4 ENC sales statistics.

#### b) ENC Distribution method

All the Polish ENCs are distributed through the PRIMAR authorized distributors network.

#### c) RNCs

Not produced.

#### d) National Paper Charts

Following charts were compiled and published:

##### 2024:

58 Bałtyk południowy. Wybrzeże polskie. Od Ustronia Morskiego do Dąbek.

##### 2025:

59 Bałtyk południowy. Wybrzeże polskie. Podejście do portu Dziwnów.

45 Bałtyk. Zatoka Gdańska. Zatoka Pucka.

#### e) INT Charts

##### 2024:

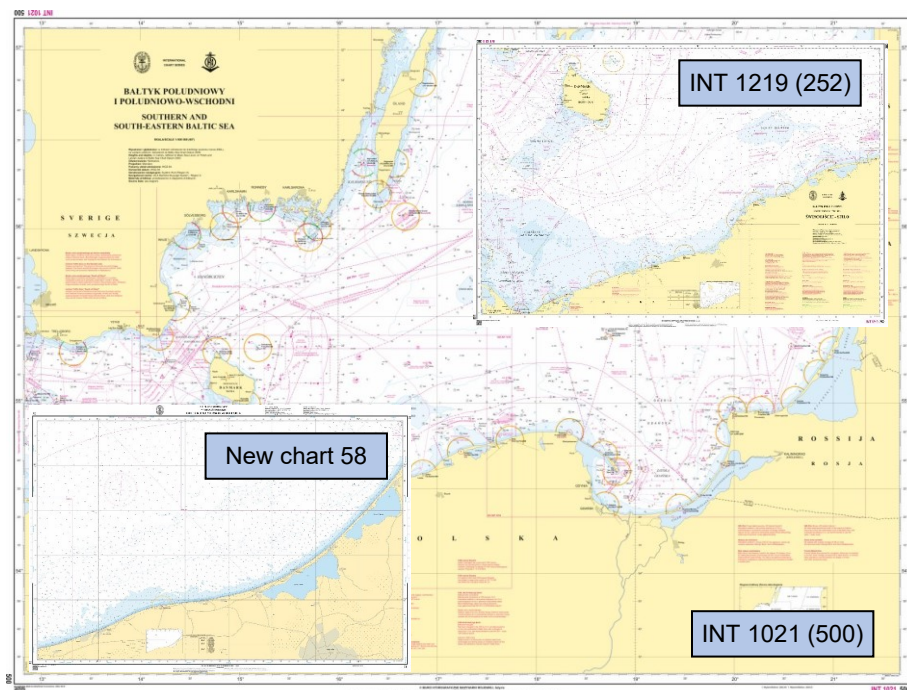
INT 1292 (152) Bałtyk południowy i południowo-wschodni. Darłowo - Rozewie.

INT 1293 (153) Bałtyk południowy. Niechorze – Darłowo.

INT 1218 (251) Bałtyk południowo-wschodni. Łeba – Kłajpeda.  
INT 1219 (252) Bałtyk południowy. Świnoujście – Stilo.  
INT 1021 (500) Bałtyk południowy i południowo-wschodni.

**2025:**

None

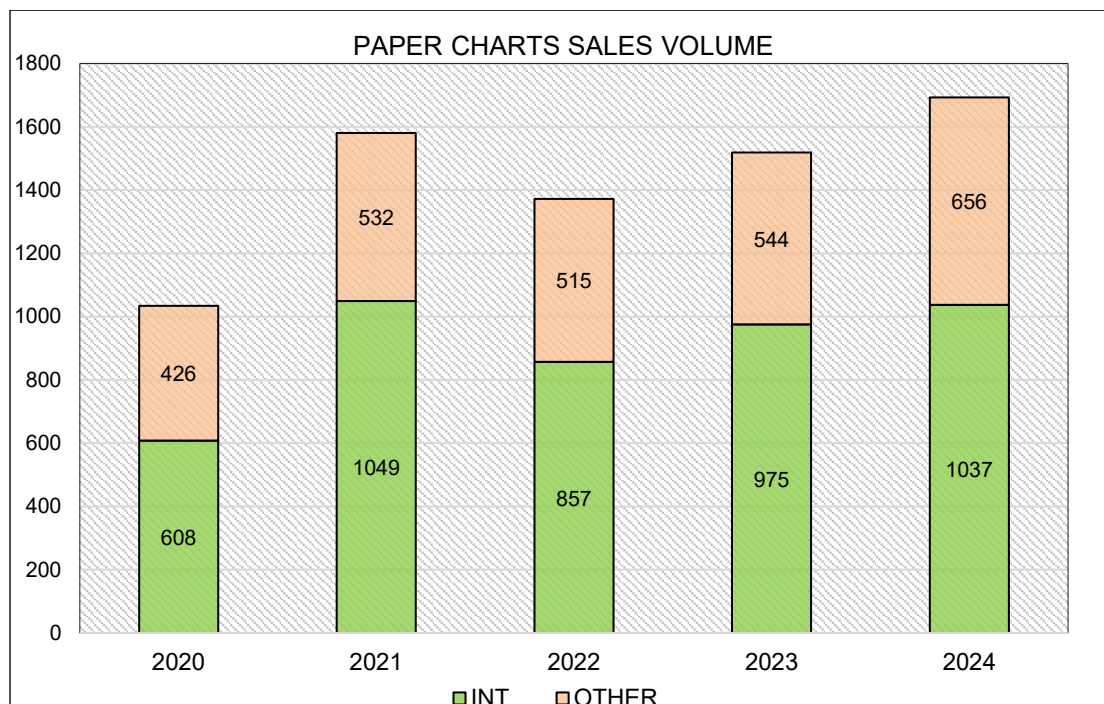


Pic. 5 Examples of new nautical charts and new editions.

**f) Other Charts, e.g. for pleasure craft:**

**2025:**

1020 Od Zatoki Pomorskiej do Mierzei Helskiej.



Pic. 6 Paper charts sales statistics.

## g) Challenges and achievements

### S-100

In 2024 the HOPN started preparation to S-100 production according to the following schedule:

| S-100 Products | 2025         | 2026         | 2027       | 2028       | 2029 | 2030 |  |  |  |
|----------------|--------------|--------------|------------|------------|------|------|--|--|--|
| S-101          |              | preparations |            | production |      |      |  |  |  |
| S-102          | preparations | production   |            |            |      |      |  |  |  |
| S-104          | preparations |              | production |            |      |      |  |  |  |
| S-111          | preparations |              | production |            |      |      |  |  |  |
| S-124          | preparations | production   |            |            |      |      |  |  |  |

Pic.7 S-100 production schedule.

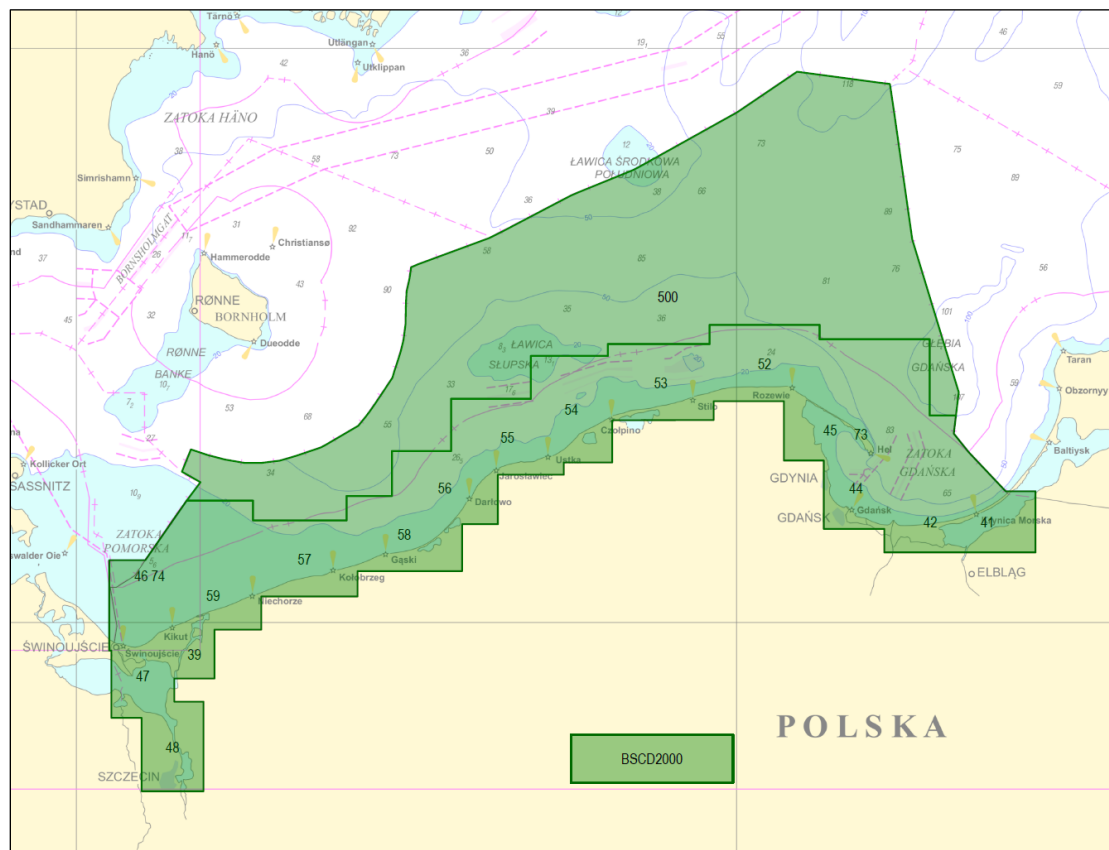
Remarks:

S-102 will be produced only on selected areas (harbour, channel, approaching, etc.).

S-104 and S-111 will require external data from the Institute of Meteorology and Water Management.

### BSCD2000

In 2024 the process of the BSCD2000 vertical reference frame implementation was completed for all bands.



Pic. 8 Nautical charts updated to BSCD2000.



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## 4. New publications & Updates

### 2025:

Publications: 502, 521, 522, 523, 551, 553 are planned to be issued.

### Publications in English, distributed by PRIMAR:

Polish coastal list of lights (520).

The guide to selected ports of the Polish coast (542).

## 5. MSI

### Existing Infrastructure for Transmission

Playing the role of the National Hydrographic Service, the HOPN 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 Polish Rescue Radio (new station operated by the Polish Maritime Administration). Between July 2024 and June 2025, 342 Navigational Warnings were promulgated by the HOPN.

## 6. C-55

The update was reported in July 2025.

## 7. Capacity Building

In 2025, one application for participation in the CB was sent from Poland:

- IHO-Nippon Foundation, Geospatial Marine Analysis and Cartography (GeoMAC) Project, UKHO, Taunton, UK.

## 8. Oceanographic activities

The Maritime Branch of the Institute of Meteorology and Water Management – National Research Institute (IMGW-PIB) in Gdynia is the organization responsible for the oceanographic services in Poland. It provides daily forecasts of water temperature, salinity, currents, sea level, wave height and ice for the Southern and South-Eastern Baltic. Forecasts are based on the SWAN and MIKE DHI 3D models as well as local models for the Gulf of Gdansk and Vistula Lagoon and Pomeranian Bay. All forecasts are available on the Internet at <https://baltyk.imgw.pl>

Tide gauge network is managed by the Institute of Meteorology and Water Management. The service (automatic readings) is available on the Internet at <https://hydro.imgw.pl>

## 9. Spatial data infrastructure, status of MSDI

### MSDI national portal

The national MSDI portal is available on the Internet at <https://sipam.gov.pl>. The portal presents marine spatial data and provides downloadable data, metadata and reference documents. The HOPN is responsible for updating bathymetric layers, contours, wrecks and bottom objects.

### Spatial Plan for Polish waters.

Spatial plan for Polish waters was published in May 2021 and established for the period of 10 years. The plan defines areas with priority of: marine transport, fishery, environmental protection, coastal protection, aquaculture, scientific research, technical infrastructure, national defence, renewable energy (wind farms), oil and gas



exploration and extraction and others. The plan is available as a WMS service at SIPAM geoportal (as a separate map composition):

<https://sipam.gov.pl/geoportal>

The Spatial Plan for Polish water is revised every 5 years.

