

BLACK AND AZOV SEAS WORKING GROUP MEETING  
(BASWG)

STATE HYDROGRAPHIC SERVICE OF GEORGIA



NATIONAL REPORT

17th MEETING OF THE BLACK AND AZOV SEAS WORKING GROUP

ISTANBUL/TURKEY 26-27 MARCH 2024

## 1. Hydrographic Service:

### General

State Hydrographic Service of Georgia (GSHS) is a national hydrographic office established within the framework of the Ministry of Economy and Sustainable Development of Georgia.

“State Hydrographic Service of Georgia” is a national coordinator of the navigational warnings and fully provides safety of navigation in its responsibility area, in accordance with the IMO and IHO requirements.

Under Georgian jurisdiction there are about 21, 946 sq.km<sup>2</sup> of maritime territory.  
The total length of Georgian Coastline is about 315 km<sup>2</sup>.

From 2015 Georgia is a full member of IHO.

From 2016 Georgia is a National member of IALA.

### **State Hydrographic Service of Georgia includes four main Division:**

1. Division of Technical Service and Monitoring of Aids to Navigation.

Main duties: Division of Technical Service and Monitoring of Aids to Navigation carries out the deployment of floating marks, placement of terrestrial navigational signs and maintains them in accordance with IALA Recommendations and Guidelines in order to ensure safe navigation in the area of maritime responsibility zone of Georgia.

Floating navigational marks are equipped with GPS moduled lanterns which allow to monitor them through Web Monitoring System.

2. Division of Hydrography Survey and Cartography.

Main duties: Hydrographic and Oceanographic surveys, land Survey, Charting Paper and ENC charts. Publish “Notices to Mariners” and “Nautical Publications”.

### 3. Division of Weather Forecasts (Synoptic ).

Main duties: Weather Forecasts (Synoptic) division regularly monitors weather condition on the sea by local and other meteorological stations and forecasting weather information to the vessels and port authorities.

### 4. Division of Radio Navigation (NAVTEX)&MSI.

Main duties: Radio Navigation Division is responsible for maritime safety information on Georgian maritime responsibility zone.

- Division of Radio Navigation ensures maritime safety information on Georgian maritime responsibility zone with following systems:
- NAVTEX station - which is transmitting navigational, meteorological and other vital messages on national 490 KHz frequency, on special allocated time slots according by IMO standards.
- Automatic identification system (AIS)- transmitting navigational messages and GNSS corrections.
- VHF Radio –for local vessels.

## 2. Surveys

### 2.1 Survey Vessels and Equipment

- Hydrographic Vessel for Maintenance and Engineering service (“DHK-81 Hydrographer”, 28m), out of service soon, when the new vessel will launch.



- The Hydrographic Service will soon receive a new hydrographic vessel (ABKHAZETI, 34m) for the oceanographic and hydrographic activities and maintenance of floating navigation marks at sea (Probably this year).



- Survey Catamaran for Hydrographic Survey, Equipped with Multibeam Echosounder (Seabat T50, "GAGRA SURVEY", 8m).



- Survey Catamaran for Hydrographic Survey, Equipped with Multibeam Echosounder (Seabat T50, “KOLKHIDA”, 9m) - Donated by Korean Hydrographic and Oceanographic Agency.



- Small boat (“PSOU”4.55m), for service and Singlebeam survey.



- Small boat (“ZHOEKVARA”) for maintenance service.



### 3. New charts and updates

Georgian waters are currently covered by 10 paper charts and 6 ENC's. GSHS continuous improving his National and International Charting.

#### 3.1 ENC's

INT NO	PROD	SCALE	MAIN TITLE	CHART LIMIT			
GE 3103300	GE	300 000	Georgian Coast Sarp to Leselidze	43°24.00'N	41°30.50'N	38°40.00'E	41°55.00'E
GE 410110	GE	10 000	Batumi Port with Approaches	41°37.60'N	41°42.39 N	41°36.57'E	41°41.40'E
GE 410325	GE	25 000	Poti Port with Approaches	42°00.50'N	42°12.98'N	41°33.00'E	41°45.40'E
GE610105	GE	5 000	Batumi Port	41°38.7171'N	41°41.1341'N	041°38.00'E	041°41.55'E
GE 510420	GE	20 000	Kulevi Port with Approaches	42°11.00'N	42°18.00'N	41°31.40'E	41°42.00'E
GE610405	GE	5 000	Kulevi Port	41°38.96'N	41° 39.48'N	41 °39.46'E	41° 39.93'E

### 3.1.1. ENC distribution method

Distribution Agreements with PRIMAR.

### 3.2 National paper charts

International and national chart catalogue.

NO	INT_NO	PROD	NAT_NO	SCALE 1:	MAIN_TITLE	CHART_LIMITS			
						LIMIT_S	LIMIT_N	LIMIT_W	LIMIT_E
1	3871	GE	GE 101	10 000	BATUMI PORT WITH APPROACHES	41°37.60'N	41°42.39'N	41°36.57'E	41°41.40'E
				5 000	A- BATUMI PORT	41°38.70'N	41°39.18'N	41°38.53'E	41°39.50'E
2	3872	GE	GE 102	50 000	GEORGIAN COAST FROM RIVER SUPSA TO RIVER TSOROKHI	41°35.40'N	42°01.50'N	41°24.50'E	41°49.83'E
3	3873	GE	GE 103	25 000	POTI PORT WITH APPROACHES	42°00.50'N	42°12.98'N	41°33.00'E	41°45.40'E
				10 000	A-POTI PORT	42°08.90'N	42°10.98'N	41°37.88'E	41°39.92'E
4	3876	GE	GE 104	20 000	KULEVI PORT WITH APPROACHES	42°11.00'N	42°18.00'N	41°31.40'E	41°42.00'E
				5 000	A-PORT KULEVI	42°16.38'N	42°16.60'N	41°37.78'E	41°38.54'E
				5 000	B-CHANNEL KULEVI	42°16.50'N	42°17.00'N	41°37.10'E	41°37.86'E
5		GE	GE 100	50 000	PORT HOPA TO RIVER CHOROKHI	41°23.00'N	41°37.00'N	41°13.00'E	41°38.00'E
6		GE	GE 11	300 000	GEORGIAN COASTLINE SARP TO LESELIDZE	41°30.50'N	43°24.00'N	38°40.00'N	41°55.00'N
7		GE	GE 105	100 000	FROM PORT BATUMI TO RIVER ENGURI	42°28.00'N	41°37.00'N	41°57.00'E	41°10.00'E
8		GE	GE 108	25 000	SOKHUMI PORT WITH APPROACHES	42°54.00'N	43°01.00'N	40°53.80'E	41°05.90'E
					A-SOKHUMI PORT	42°58.30'N	43°00.30'N	40°58.20'E	41°03.10'E
9	3808	GE/TR	GE10/TR143	300 000	PORT OCHAMCHIRA TO PORT TIREBOLIA	42°52.00'N	42°48.00'N	38°40.00'E	42°10.00'E
10		GE	GE 1	1 500 000	BLACK SEA AND SEA OF AZOV	41°30.50'N	47°25.00'N	41°60.000'E	27°20.00'E

#### **4. New technologies and/or equipment:**

- Single-Beam Echosounder Odom MK-III for deep sea (Donated by KHOA).
- Multibeam Echosounder Reson Seabat T50R (Donated by KHOA).
- Dron for land survey (Donated by KHOA).
- TRBM equipped with ADCP (Donated by KHOA).
- Installed 2 Tide station (Batumi port and Poti port) (Donated by KHOA).

#### **4.1 Software**

- D-Kart Office (Editor, Publisher, Inspector).
- Hypack.
- PDS-2000
- Arc GIS..
- CARIS paper Chart Composer (Donated by KHOA).
- CARIS S-57 Composer (Donated by KHOA).

#### **5. New publications & updates**

The following charts are updated:

- Paper chart GE103 (Poti port with approaches);
- Paper chart GE105 (From port Batumi to River Enguri);
- Created and released new ENC chart of Kulevi GE610405, Band 6 (Supported by KHOA).

#### **6. C-55**

2024 update as follows:

Survey coverage, where:

A = percentage which is adequately surveyed.

B = percentage which requires re-survey at larger scale or to modern standards.

C = percentage which has never been systematically surveyed.

	<b>A</b>	<b>B</b>	<b>C</b>
Depths <200m	75%	25%	10-15%
Depths >200m	5	100	95

## 7. Foreign training

- 2020- Category “B” Hydrographic Survey one employee;
- 2022- Cartographic Data Management & Marine Spatial Data Infrastructure one employee;
- 2023- Category “B” Cartography one employee;
- 2023-OJT training in Hydrographic Survey and Cartography two employees (Supported by KHOA).
- 2024-Selected one employee in Category “B” Hydrographic Survey program (Supported by KHOA).

## 8. Status of national, bilateral, multilateral or regional development projects with hydrographic component

- A memorandum of understanding was signed between the Georgian State hydrographic Service and the United Kingdom Hydrographic Office (UKHO).
- A Memorandum of Understanding was signed between Georgian State Hydrographic Service and the State Hydrographic Service of Ukraine.
- A Memorandum of understanding was signed between the Georgian State hydrographic Service and Korean Hydrographic and Oceanographic Agency, which is successfully on going up to date.

## **9. Activities**

GSHS has participated in the following IHO and IALA events:

- IHO Assembly
- BASWG Meetings
- MBSHC Meetings
- HSSC Meeting
- IALA Diplomatic Conference.

## **10. Future plan**

- Big Hydrographic Vessel (will launch soon “ABKHAZETI “36M)
- Training Courses (Supported by KHOA)
- Planning for release new ENC charts of Port of Batumi GE610105 and Port of Poti GE610305 Band 6 (Supported by KHOA);
- Update paper chart GE100 and create corresponding ENC.