

GEORGIAN STATE HYDROGRAPHIC SERVICE



**15 th Meeting of the Black and Azov Working Group (BASWG)
NATIONAL REPORT OF GEORGIA
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1. Hydrographic Service:

General

The Georgian State Hydrographic Service (GSHS) is a national hydrographic office established within the framework of the Ministry of Economy and Sustainable Development of Georgia. GSHS also is Lighthouse Authority in Georgia and responsible for establishment and the maintenance of the navigational aids in Georgian waters. The SHSG's budget consists mainly in the income from Lighthouse fees paid by vessels using Georgian Ports and from distribution paper charts and ENC's.

GSHS is also responsible for MSI. Currently there is national NAVTEX Service in Georgia and MSI service through NAVAREAIII Coordinator for international shipping is established. Local and Coastal Warnings are disseminated via VHF Radio through voice communication and Notice to Mariners (NTM).

Georgia is a member of International Maritime Organization (IMO) and a signatory to the Safety of Life at Sea Convention (SOLAS). In general there is awareness in Georgia on the obligations of Regulations 4 and 9 of SOLAS Chapter V, which places an obligation on contracting Governments to arrange for the collection, compilation, dissemination and maintenance of all information required for safe navigation. Therefore, Georgia is required to collect and publish Maritime Safety Information (MSI), arrange for hydrographic surveys to be undertaken, and nautical charts and publications to be compiled and published and for these documents to be maintained.

Georgian State Hydrographic Service fully provides safety of navigation in its responsibility area, in accordance with the international organizations IALA and IHO requirements.

GSHS is a Member State of IHO since 2015 and participated to the activities and meetings of MBSHC and BASWG since 2009.

In 2014 Georgia hosted 12th BASWG meeting and in 2015 hosted 19th MBSHC meeting.

From 2016 Georgia is a National member of IALA.

2. Surveys

2.1 Coverage of new surveys

Hydrographic Researches, Correction and Cartography Department operates in the framework of GSHS. The department carries out hydrographic surveying of Georgian territorial waters for

subsequent use of the findings with the aim of issuing and updating of nautical charts and informing mariners on changes in navigational circumstances.

In accordance with its Statute GSHS carries out on a regular basis hydrographic surveys in water areas of all Georgian ports (except waters of occupied Abkhazia, where there is no access for SHSG). Hydrographic surveys have been carried out by GSHS in compliance with its Statute (Regulations for the Service) on free of charge basis for the purpose of obtaining data for nautical charts correction.

For Hydrography Survey GSHS using Multi-beam Echo-sounder (SeaBat P-50) and Single-beam echo-sounder (Odom MK III) and following software's: PDS-2000 and HYPAK.

3. New charts and updates

GSHS undertaking the responsibility of charts and publications production at national and international level. SHSG has a national portfolio for traditional nautical chart and ENC's.

GSHS has both paper charts and ENC's for Georgian waters as well as several nautical publications. Georgian waters are currently covered by 10 paper charts and 4 ENC's. GSHS is planning to improve his National and International Charting Plan.

3.1 ENC's

INT NO	PROD	SCALE	MAIN TITLE	CHART LIMIT			
GE 3103300	GE	300 000	Georgian Coast Sarp to Leselidze	43°24'N	41°30.5'N	38°40'E	41°55'E
GE 410110	GE	10 000	Batumi Port with Approaches	41°37.6'N	41°42.39 N	41°36.57'E	41°41.4'E
GE 410325	GE	22 000	Poti Port with Approaches	42°00.5'N	42°12.89'N	41°33.0'E	41°45.4'E
GE 510420	GE	20 000	Kulevi Port with Approaches	42°11'N	42°18'N	41°31.4'E	41°42'E
GE 610405	GE	5 000	KULEVI Port (band 5) (New published 2021)	42°16.30'N	42°17.667'N	041°35.60'E	41°39.00'E
GE610105	GE	5 000	BATUMI Port (band 5) (New published 2021)	41°38.7171'N	41°41.1341'N	041°38.00'E	041°41.55'E

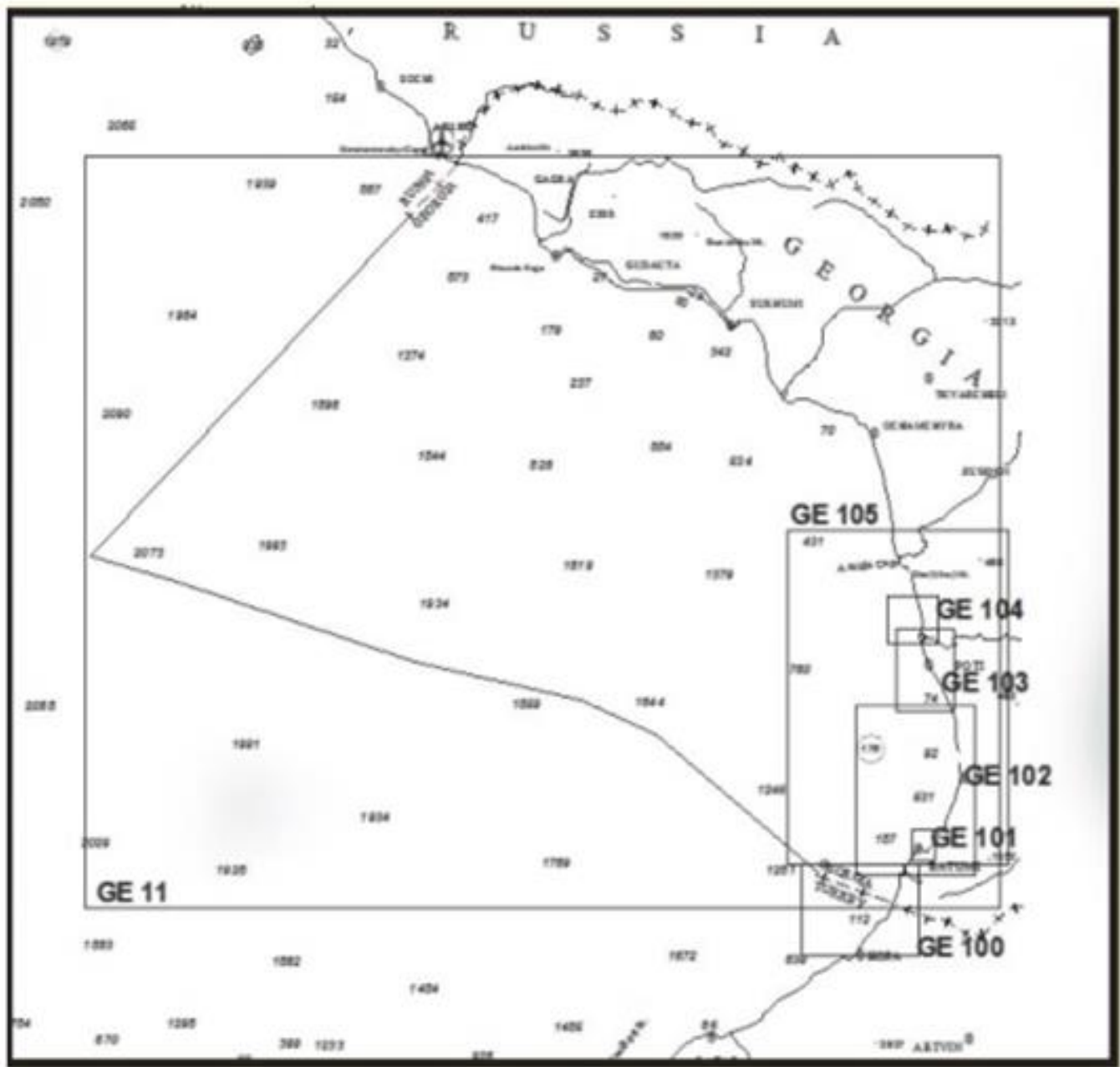
3.1.1. ENC distribution method

Distribution Agreements with PRIMAR.

3.2 National paper charts

The following paper charts have been published. The datum in all charts is WGS84.

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	41042.39'N	41036.57'E	41041.40'E
				5 000	A- BATUMI PORT	41038.70'N	41039.18'N	41038.53'E	41039.50'E
2	3872	GE	GE 102	50 000	GEORGIAN COAST FROM RIVER SUPSA TO RIVER TSOROKHI	41035.40'N	42001.50'N	41024.50'E	41049.83'E
3	3873	GE	GE 103	25 000	POTI PORT WITH APPROACHES	42000.50'N	42012.98'N	41033.00'E	41045.40'E
				10 000	A-POTI PORT	42008.90'N	42010.98'N	41037.88'E	41039.92'E
4	3876	GE	GE 104	20 000	KULEVI PORT WITH APPROACHES	42011.00'N	42018.00'N	41031.40'E	41042.00'E
				5 000	A-PORT KULEVI	42016.38'N	42016.60'N	41037.78'E	41038.54'E
				5 000	B-CHANEL KULEVI	42016.50'N	42017.00'N	41037.10'E	41037.86'E
5		GE	GE 100	50 000	PORT HOPA TO RIVER CHOROKHI	42016.50'N	42017.00'N	42017.00'N	42017.00'N
6		GE	GE 11	300 000	GEORGIAN COASTLINE SARP TO LESELIDZE	41° 23.00'N	41037.00'N	41013.00'E	41038.00'E
7		GE	GE 105	100 000	FROM PORT BATUMI TO RIVER ENGURI	41°37.00'N	42°28.00'N	41°010.00'E	41°57.00'E
8		GE	GE 108	25 000	SOKHUMI PORT WITH APPROACHES	42°54'N	43°01'N	40°53.6'E	41°05.9E
					A-SOKHUMI PORT				
9	3808	GE/TR	GE10/TR143	300 000	PORT OCHAMCHIRA TO PORT TIREBOLIA	42°52.00'N	42°48.00'N	038°40.00'E	042°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 publications & updates

- Created ENC chart of Batumi port GE610105 scale 1:5000 (Under the ODA project).
- Work is underway to create ENC chart from port Batumi to River Enguri (Under the ODA project).
- The paper chart is being updated GE105 (From port Batumi to River Enguri).
- Created ENC chart of Kulevi port GE610405 scale 1:5000 (Under the ODA project).
- Work is underway for publication of Georgian List of Atons.

5. MSI

5.1 Existing infrastructure for transmission

MSI is considered by the IHO as the first phase in hydrographic capacity building and currently there is National NAVTEX Service in Georgia but, also Coastal Warnings are disseminated via radio through voice communication too.

There is clearly established MSI infrastructure that coordinates its activities with the Worldwide Navigation Warning Service (WWNWS) implemented globally by the IMO, World Meteorological Organization (WMO) and IHO. GSHS is the primary MSI authority in Georgia.

6. C-55

2021 update as follows:

Status of hydrographic survey of all navigable waters, including internal waters, inside to the limits of the EEZ:

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.

	A	B	C
Depths <200m	30	30	30
Depths >200m	5	100	95

7. Foreign training

Head of Division of Technical Service and Monitoring of navigational marks Georgian State Hydrographic Service successfully completed Aids to Navigation Management Training Course under the "IALA WORLD WIDE ACADEMY" .

The training lasted for a month at the Kolkata Maritime Navigation Institute in India.

It is noteworthy, that in the future above mentioned certified specialist will locally provide technical staff training.

It should be noted, that Training course was funded by International Organization for Marine Aids to Navigation (IALA) and Indian Hydrography Authority.

7.2 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), under which the UK Hydrographic Office (BRITISH ADMIRALTY) uses the data obtained from the surveys of the Hydrographic Service of Georgia in the production of nautical charts and publications.
- A Memorandum of Understanding was signed between Georgian State Hydrographic Service and the State Hydrographic Service of Ukraine. The memorandum provides for the exchange of experience and information between the hydrographic services of the two countries. In particular, within the framework of the Lighthouse Friendship Project, the Parties will share information about lighthouses of historical value, their best practices and technological development.
- The project under the ODA (OFFICIAL DEVELOPMENT ASSISTANCE) program, which offers technical support to the Hydrographic Service from Korea, is launched based on cooperation between the Georgian State Hydrographic Service and the Korean Hydrographic and Oceanographic Agency. In accordance with project goals and objectives, the Korean side will provide technical assistance to the Hydrographic Service of Georgia in terms of conducting hydrographic research and development of the cartography sector and supporting with Oceanography equipment and trainings. Project also implies capacity building activities, as well as will offer staff training in the world's leading training centers and educational institutions.

8. Activities

- Georgian State hydrographic Service took part at IALA 4th Diplomatic Conference at Malaysia. On behalf of the authority conferred upon the director of State Hydrographic Service of Georgia by the head of the government of Georgia – Prime Minister – Georgia signed the final act of the convention adopted by the International Organization of Marine Aids to Navigation and participated in the status change discussions based on the full powers mandate issued by the Government of Georgia.
- Georgian State hydrographic Service launched AIS (AUTOMATIC IDENTIFICATION SYSTEM). The signals transmitted through a special channel of the above system provide vessels with information on the location of floating navigation signs in the maritime zone of Georgia and ports in the form of their virtual display.
- In order to improve the quality of safety of maritime navigation, Georgian State Hydrographic Service introduced a new technological system, which represents the Workstation. The system is applied to monitor the movement of cyclones and clouds. The Workstation is located in Poti, the coverage zone of which is 250km.
- Georgian State Hydrographic Service continues to develop hydrographic and Oceanographic infrastructure on the Georgian coast under the current ODA project - Official Development Assistance of the South Korean Hydrographic Agency.
- The Oceanographic equipment (TRBM) and Tide Station were installed at two different location in the Poti and Kulevi area - on the seabed. They determine current speed and direction and also archive the obtained data.
Tide Station is located in the area of the port of Poti. This system detects sea level and wind direction.
- Within the framework of the ODA (Official Development Assistance) project, the Georgian State Hydrographic Service and the Hydrographic and Oceanographic Agency of South Korea are conducting joint hydrographic surveys of the Kulevi port and Batumi port with their approaches.
- GSHC in the frame of ODA project was granted with Cartographic softs (CARIS Paper Chart Composer 4.0 ; S-57 Composer 3.1 0) Trainings regarded programs are provided by KHOA cartographers.

With the framework of ODA Project Korean side donated a new generation of software for the production of nautical charts (Teledyne CARIS Paper Chart Composer 4.0 ; S-57 Composer 3.1 0) Training in these programs for hydrographic service cartographers is provided by the South Korean Hydrographic and Oceanographic Agency.

The South Korean Hydrographic Agency has provided training sessions for GSHS cartographers for the future use of the software in the Service.

9. Future plan

In the wake of growing transit potential of Georgia, the dynamics of the vessel traffic in the sea area of the country increasing, which requires the development of additional funds and services to ensure the safety of navigation.

Since Georgian State Hydrographic Service analyzes this tendency and the measures taken by the state aimed at ensuring the safety of navigation, it constantly tries to expand technological resources and enhance its capacities. Therefore, the strategic plan for the development of the service provides for the construction of a hydrographic vessel (workshop for maintenance activities), equipped with modern technologies, with the necessary capabilities at its disposal, which will be prevalent in its category.