



## NATIONAL REPORT OF GEORGIA FOR XVIII<sup>TH</sup> MBSHC CONFERENCE

### **1. Hydrographic Office / Service:**

September 2013

*“Georgian State Hydrographic Service” is a national coordinator of the navigation al warnings in Georgia. It includes a systems of AIDS To Navigation (navigational equipment, flashing and non-flashing navigational marks) located on the coastline. That ensures safety navigation i n Georgian responsibility region.*

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

#### **The Service consists of three main Departments:**

- (1) Navigational marks, technical services and monitoring department*
- (2) Hydrographic survey and cartography department*
- (3) Weather Forecasts department (Synoptic department)*

### **2. Function of Department of Monitoring and Technical Service of navigational marks:**

- a. Monitoring technical assistant and modernization of navigational equipment and navigational marks.*
- b. Fencing with a modern card in al marks of dangerous areas for navigation.*
- c. Equip of Ports and channels with a modern navigational marks.*
- d. Observing, modernization and technical service of Lighthouses.*
- e. Equipof navigational marks with remote monitoring system for safety navigation.*

### **3. Function of Department of Hydrographic research, Correction, and cartography:**

- a. Bathymetry surveys and observation of sea depths.*
- b. Micro-bathymetry measurement.*
- c. Collection of Bathymetric data in the ports and anchoring areas.*
- d. Monitoring of coastline changes.*
- e. Publishing List of AID To Navigation and Notice to Mariners.*
- f. Geodetic researches of Ports and nearby areas.*
- g. Providing information to sailors and appropriate services about regarding changes (closing of marine areas, warnings, prohibitions).*
- h. Compose and Production of navigational paper and electronic charts.*

### **4. Synoptic Department:**

*Regular monitoring of weather by local and other meteorological stations.*

- a. Weather forecasting to the vessels and Port authorities.*
- b. Production database and achieving.*
- c. Manufacturing of database and archiving.*

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

*Service is equipped with:*

- a. GPS-Hemisphere kresent R-110 Base-Rover*
- b. GPS-Trimble Base-rover*
- c. Side- scan sonar SSS 100K/600K*
- d. Single-Beam Survey Echosounder Odom MK-III*
- e. Multibeam Echosounder Reson Seabat 712*

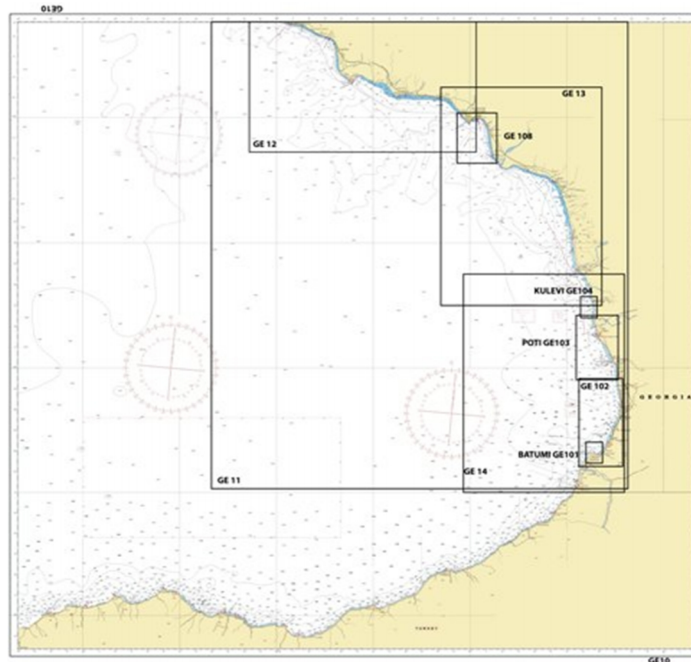
## **6. Programs:**

- a. D-kart Editor*
- b. D-kart Publisher*
- c. D-kart Inspector*
- d. Hypack*
- e. PDS-2000*
- f. Arc GIS*

## **7. New charts & updates:**

*a. National paper charts:*

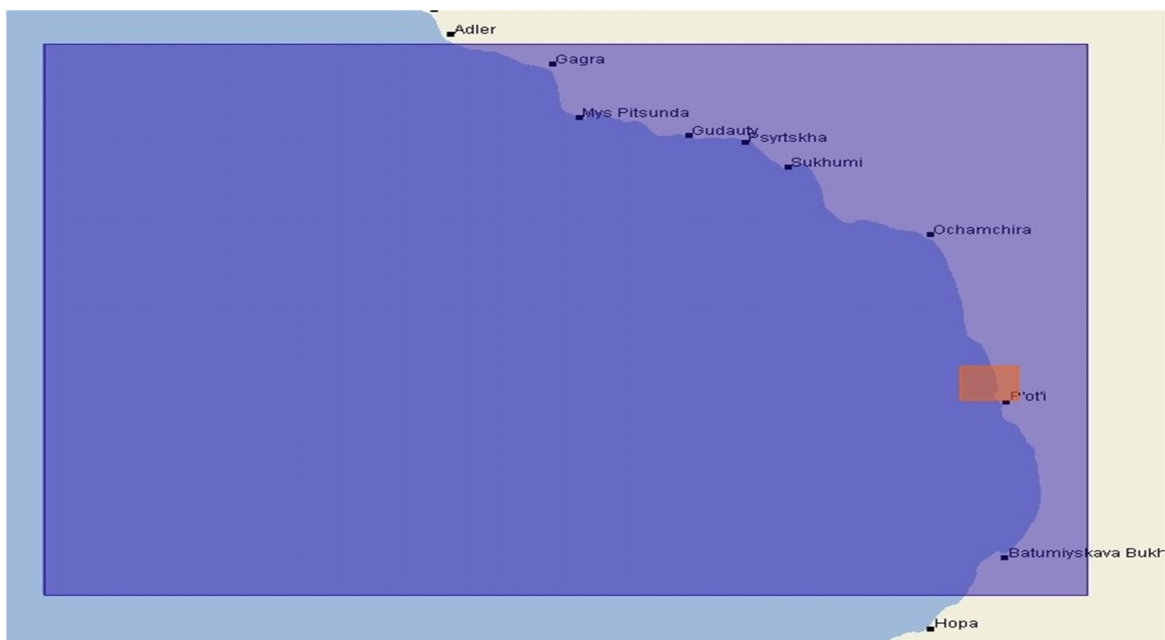
*Created new paper charts, which has assigned a national numbers.*



INT_NO	PROD	NAT_NO	SCALE 1:	MAIN_TITLE	CHART_LIMITS			
					LIMIT_S	LIMIT_N	LIMIT_W	LIMIT_E
-----	GE	GE 101	10 000	BATUMI PORT WITH APROACHES	41°37.6'N	41°42.39'N	41°36.57'E	41°41.4'E
				A- BATUMI PORT				
-----	GE	GE 103	25 000	POTI PORT WITH APROACHES	42°00.5'N	42°12.98'N	41°33.0'E	41°45.4'E
				A-POTI PORT				
-----	GE	GE 108	25 000	SOKHUMI PORT WITH APROACHES	42°54'N	43°01'N	40°53.6'E	41°05.9'E
				A-SOKHUMI PORT				
-----	GE/TR	GE 10	300 000	TIREBOLU-LESELIDZE	40°52'N	43°24'N	38°40'E	41°55'E
-----	GE	GE 104	20 000	KULEVI PORT WITH APROACHES	42°11'N	42°18'N	41°31.4'E	41°42'E
				A-PORT KULEVI				
				B-CHANEL KULEVI				
-----	GE	GE 102	50 000	BATUMI WITH APPROACHES	41°35.4'N	42°01.5'N	41°24.5'E	41°49.8'E
-----	GE	GE 11	300 000	GEORGIAN COAST	41°30.5'N	43°24'N	38°40'E	41°55 'E
-----	GE	GE 12	100 000	APPROACHES	-----	-----	-----	-----
-----	GE	GE 13	100 000	APPROACHES	-----	-----	-----	-----
-----	GE	GE 14	100 000	APPROACHES	-----	-----	-----	-----

b. ENC's:

*10 ENC's have been planned and produced for the area of responsibility of Georgian State Hydrographic Service, 2 of them are available:*



*ENC Distribution method: Georgian ENC's are being distributed by PRIMAR.*

GSHS wants that charts which are given below, according of table shall be product under the International Number.

INT_NO	PROD	MAIN_TITLE	CHART_LIM ITS	CHART_LI MITS	CHART_LI MITS	CHART_LI MITS
3808	GE	Port Ochamchira to Port Tirebolia	40°52.00'N	42°48.00'N	038°40.00'E	042°10.00'E
3810	GE	Caucasian coast. Bukhta Vulkan to Port Ochamchira	42°36.00'N	44°28.00'N	038°12.00'E	041°22.00'E
3871	GE	SOKHUMI PORT WITH APPROACHES	42°54'N	43°01'N	40°53.6'E	41°05.9'E
3873	GE	POTI PORT WITH APPROACHES	42°00.5'N	42°12.98'N	41°33.0'E	41°45.4'E
3875	GE	BATUMI WITH APPROACHES	41°35.4'N	42°01.5'N	41°24.5'E	41°49.8'E

### **8. Staff has been retrained:**

The two employees of service passed training Courses in the "Intellect center" Maritime - Navigational field of cartography For the purpose of improve the qualification, in Tbilisi.

The two employees of service passed training Courses in ARC GIS in Tbilisi, in Consulting Center "Geographic."

One employee of service passed on the bathymetric learning courses In State Hydrographic Service of Ukraine.

Three employee of Service passed Consulting Courses in D-kart Editor and D-kart Publisher programs In State Hydrographic Service of Ukraine.

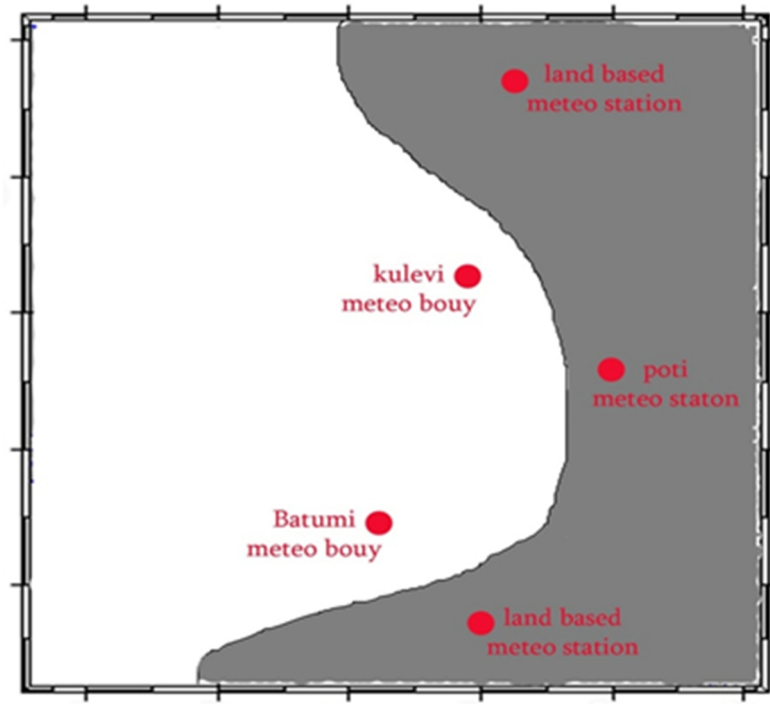
The two employees of service passed training Courses in D-kart Editor and D-kart Publisher about programs, Training Center in Norway "JEPPERSEN NORWAY".

### **9. We are publishing publications, which apply with paper form.**

*New Publication:*

Type	Title
NP	Navigation Regime (from 2011)
NP	Notices to Mariners (from 2011)
NP	List of Aton's (from 2012)

In Georgian State Hydrographic Service improved meteorological data mining, a new Meteo buoy has installed in the port of Batumi and in the port of Poti. Land-based weather station has been installed Port of Batumi, Port of Poti and in Anaklia. Weather forecast and current Meteo-data transfer normally occurs during four times in a day, but in special cases so many times as required.



*Notifications also are extending by means to the coordinator NAVARIA III.*

#### **10. Other activities:**

*GSHS was participated the following IHO events since 10<sup>th</sup> BASWG meeting:*

- 18<sup>th</sup> MBSHC Conference
- 17<sup>th</sup> conference of the International Hydrographic Bureau
- 18<sup>th</sup> conference of the International Hydrographic Organization
- 11<sup>th</sup> BASWG meeting

#### **11. Future Plan:**

*Georgian State Hydrographic Service plan to purchase:*

- NAVTEX
- SURVEY KATAMARAN
- Georgian State Hydrographic Service wants to send personnel on advanced training courses.

*During reference period, "GEORGIAN STATE HYDROGRAPHIC SERVICE" fully implemented the recommendations N SI/4515 of December 17, 2010, of the technical experts' from the International Hydrographic Bureau. At present, a new request has sent to invite a new Experts Group.*