



National Report of Iceland

This report gives the summary of the activities that have taken place within the Icelandic Coast Guard - Hydrographic Department (ICG-HD) since the last report given at the NHC meeting in April 2018.

1. Icelandic Coast Guard – Hydrographic and Maritime Safety Department

The name of the department as it is written in English has been changed to *Hydrographic and Maritime Safety Department (ICG-HMSD)*. The department is within the Maritime division of the Icelandic Coast Guard (Siglingasvið).

The staff of the department has been the same for a number of years, 8 persons. For the past 12-15 months 2 members of staff have been on sick leave. This has in many aspects affected the department. One of the two members of staff mentioned will return to work after the summer holidays this year. The other one has already retired. Plans have been made hire new people to replace the one retiring and also to strengthen the department by increasing the number of staff from 8 to 10.

2. Hydrographic Surveys

Scheduled hydrographic surveys were carried out for total of 80 days in 2018. The project of surveying in Breiðafjörður, a wide bay on the west coast of Iceland, continued. The project is expected to take several years to complete and includes both resurveying large parts of bay and surveying of numerous previously unsurveyed areas. The southern part of Breiðafjörður was surveyed in the years from 1999 to 2002 using single beam echo sounder. The project which started in 2016 will focus on multibeam coverage of the northern and eastern parts of the fjord.



Fig. 1 Location of Breiðafjörður in Iceland.

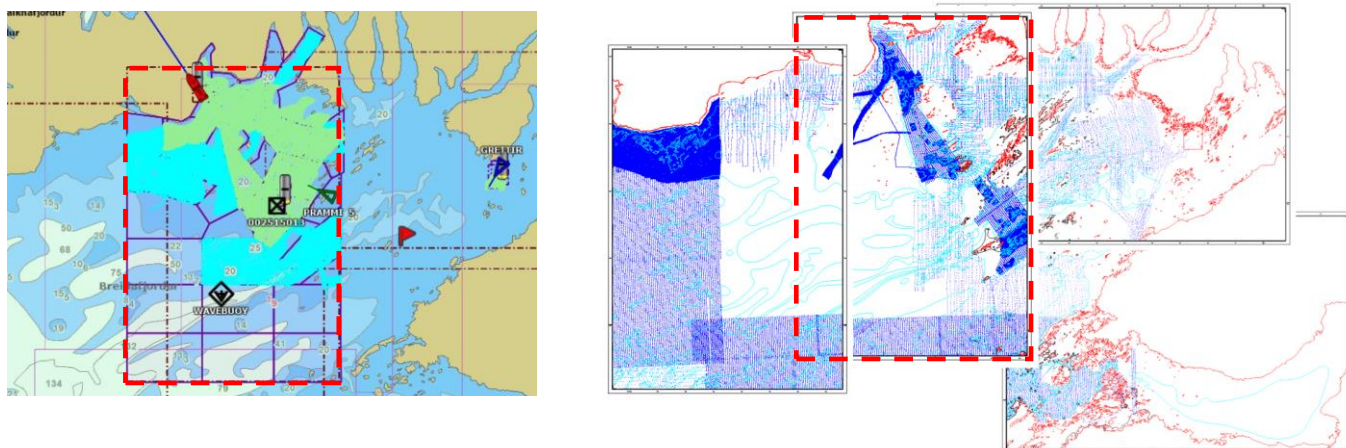


Fig. 2 Surveyed area in Breiðafjörður in 2017 (green) and 2018 (blue) and planned 1:50 000 charts of the northern and eastern part of the fjord. Existing depth data shown in blue. Oldest data from 1934.

Various equipment on board the 28 years old BALDUR has been renewed. A new multibeam echo sounder was installed in March this year (SeaBat T50 Extended Range). An Innomar SES-2000 compact sub-bottom profiler was installed at the same time and a new sound velocity sensor.

In addition to the above mentioned survey activities some contract work was carried out for the Port Authorities in Reykjavík. The approaches to the port of Akranes were resurveyed and part of Eyjafjörður in the northern part of Iceland was resurveyed. It is an extension of surveys from some years ago.

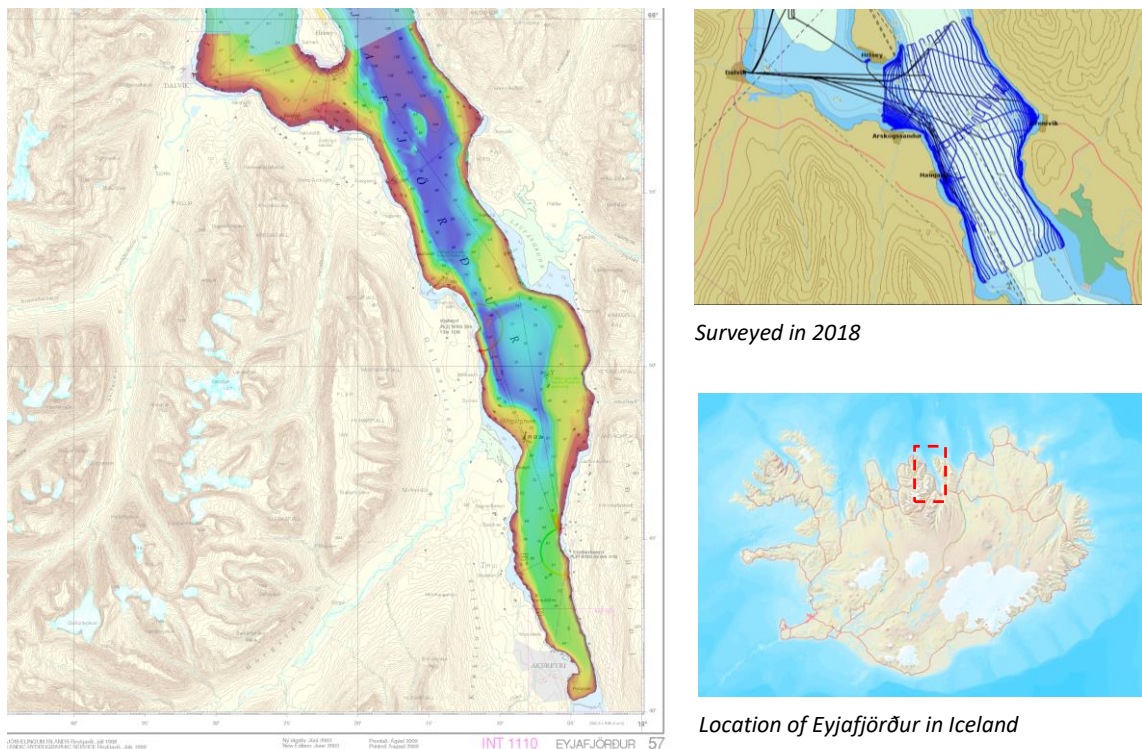


Fig. 3 Inner half of Eyjafjörður has been resurveyed in recent years. The town of Akureyri is at the bottom of the fjord.

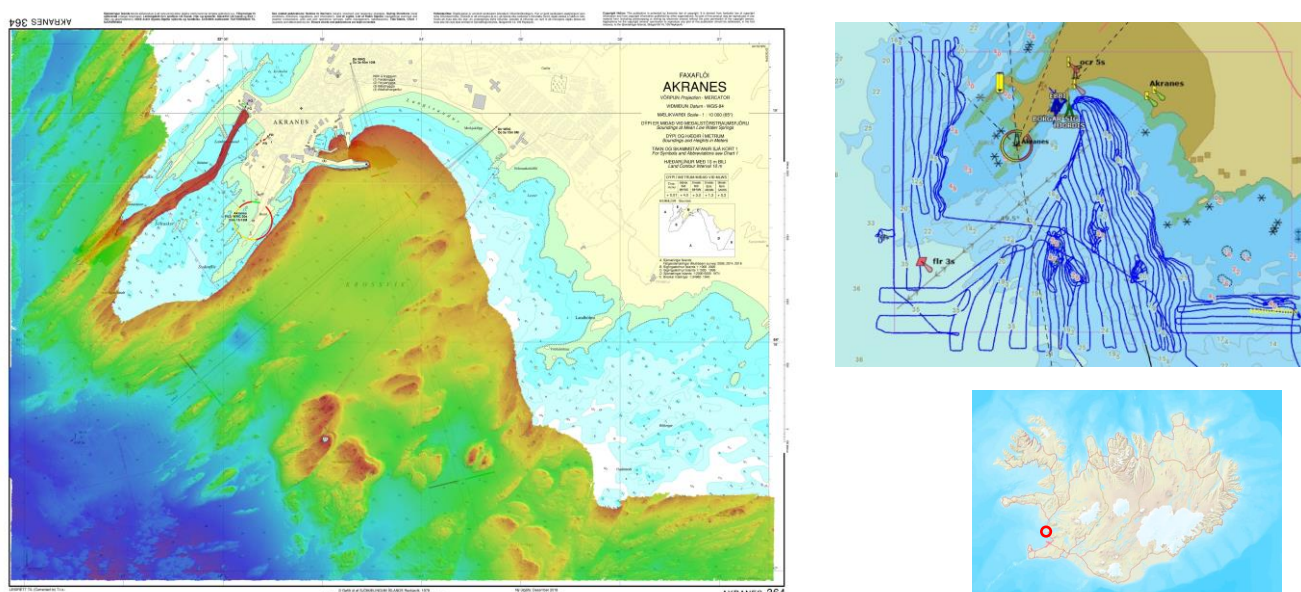


Fig. 4 New multibeam survey made in September 2018 of approaches to the port of Akranes.

3. New charts & updates

Printed charts

Three New Editions have been published since last NHC meeting. A new edition of the chart Akranes and two A3 size harbour plans of Sauðárkrókur and Siglufjörður. Two charts were reprinted.*

National No.	Title	Scale	Pub. month
364	Akranes	1:10000	12/2018
519	Sauðárkrókur	1:10000	12/2018
522	Siglufjörður	1:10000	01/2019
73	Glettinganes – Hlaða*	1:100000	01/2019
365	Akranes – Hafnarfjörður*	1:40000	01/2019

ENC production

One new cell was published, harbour cell for the ferry port Landeyjahöfn. The port connects the Westmann Islands off the south coast with the mainland. Sixteen new editions and 20 updates were made on the 73 ENC Cell's produced by Iceland.

Plans for 2019

The *CARIS GIS* to *CARIS Paper Chart Composer* (PCC) transition, which started in 2016, crossed the finish line in December 2018. All of the 80 paper charts have now been brought into the CARIS PCC 2.1 environment.

Work on incorporating *CARIS BASE Editor* (BE) in to the Chart Production process is progressing slower than anticipated. The plan was to pick up pace regarding BE in the autumn of 2018. This didn't fully go as

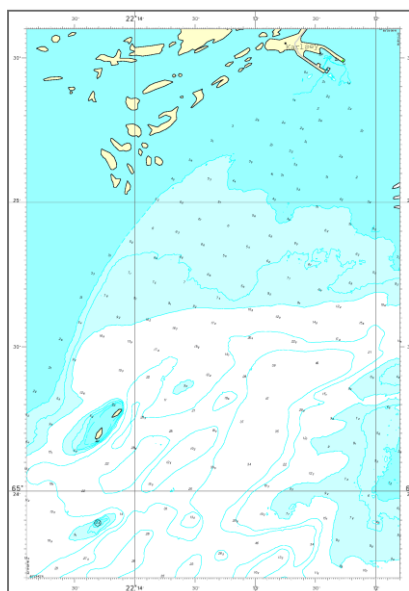
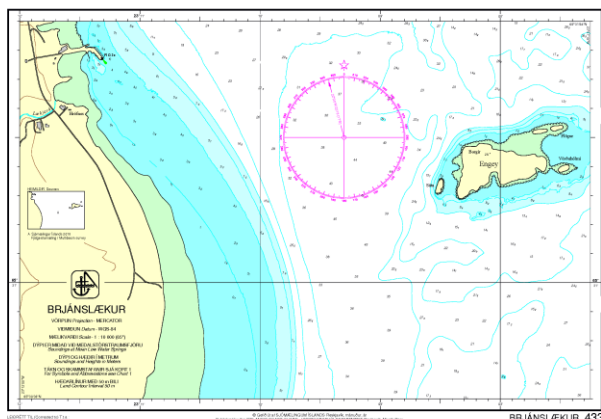


planned. The plan for 2019 will be to finish work on incorporating *CARIS BASE Editor* (BE) into the Chart Production process.

4. New publications & updates

The annual nautical publications, *Tide Tables 2019* and *Tide Almanac 2019*, were published in the autumn of 2018. Five issues of *Notices to Mariners* were published in 2017, 30 NMs in total. The pdf-publications, *List of Lights* and *Catalogue of charts* were updated in October 2018 and are available at www.lhg.is. Next update will take place around the middle of this year. One issue of NMs has been published in 2019, total of 4 NM.

Two new harbour plans at scale 1:10.000 in Breiðafjörður, Brjánslækur and Reykhólar, are being worked on. A ferry connects Stykkishólmur on the south side of the fjord with Brjánslækur on the north side of fjord. Reykhólar is a village on the eastern shore of Breiðafjörður. A factory there produces high quality algal meal from the abundant seaweed grounds of the fjord.



Many charts and harbour plans need updating. A number of new editions will therefore be published in the second half of this year.

5. MSI

The Icelandic Coast Guard runs VTS and MSI service is an integrated part of that operation.

6. C-55

Last update in November 2016. Planned update in October 2018 not carried out. New time for update TBD.



7. Oceanographic activities

Sub-bottom profiler has been installed in ICG survey vessel BALDUR as planned. It is an part of the project of surveying the EEZ of Iceland which the MFRI leads and ICG takes part in.

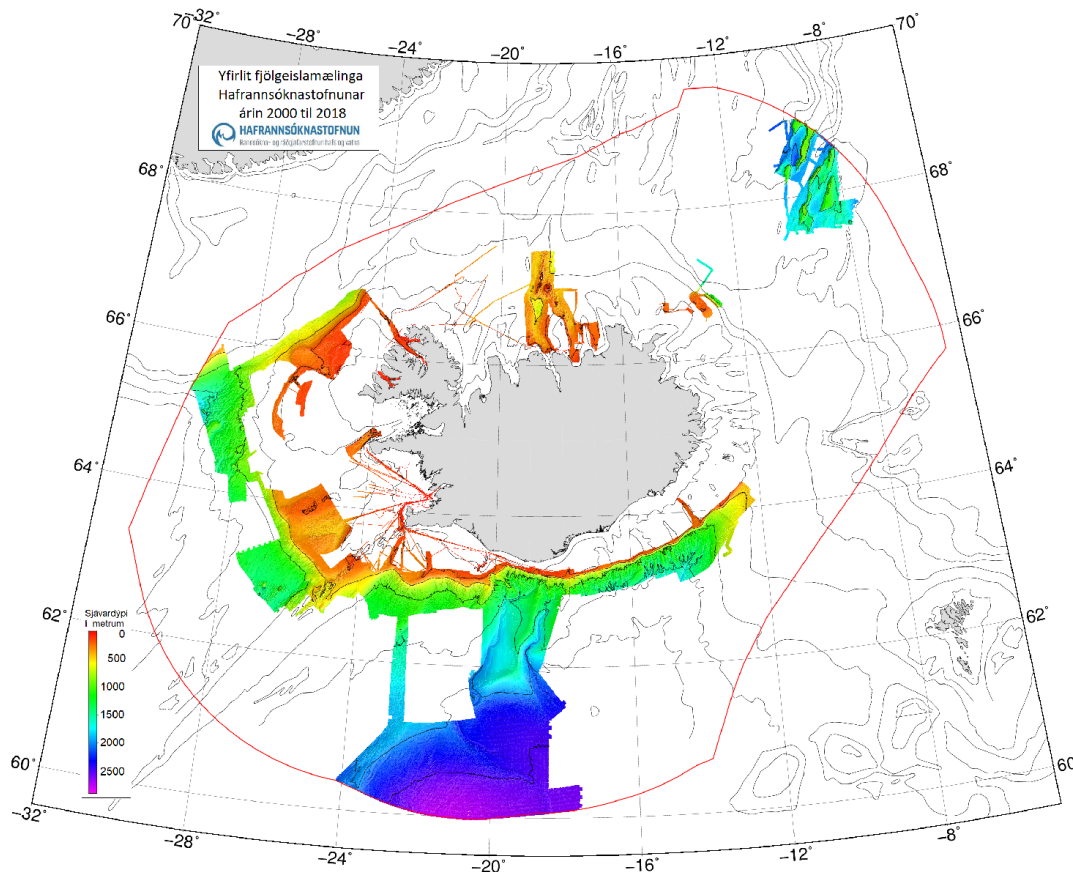


Fig. 5 Status of the project of multibeam surveying the EEZ of Iceland

8. Capacity Building

A member of ICG-HMSD staff is doing a Hydrographic Survey CAT B course at Skilltrade in the Netherlands (January-April 2019).

9. Other activities.

IHO RHCs, WGs and other work

Members of ICG staff attended the following:

IC-ENC SC20 Steering Committee July 2018.

IC-ENC TC03 Technical Conference October 2018.

ARHC8, 11-13 September 2018, Longyearbyen, Svalbard.

NHC Strategic Workshop, 20-21 March 2019, Malmö, Sweden.



MSDI

Iceland hosted and participated in the ARMSDIWG3 meeting last week, 3-5 April 2019.

Baseline for Territorial Waters

The Icelandic Parliament “Alþingi” passed law on Baseline, Territorial Limits etc. in June 2017. The band 3 ENC's and band 4 ENC's have been updated accordingly. New Editions of the coastal and transit paper charts affected will be published in the second half of this year.

This report highlights the main activities of the Icelandic Coast Guard, Hydrographic Department since the last NHC meeting.