

N O T I F I C A T I O N
OF PROPOSED RESEARCH CRUISE

GENERAL
Part A

1. Name of research ship: Birtingur Cruise no. x/15
2. Dates of cruise: From: *July 27* To: *Aug. 12, 2015*
3. Operating Authority: *Greenland Institute of Natural Resources*
P.O. Box 570
DK-3900 Nuuk, Greenland
4. Owner (if different from para 3):
Síldarvinnslan hf,
Hafnarbraut 6,
740 Fjarðabyggð
5. Particulars of ship:

Name:	Birtingur NK-124
Nationality:	ICELAND
Classification	<i>Lloyd's Register</i> +100A1 Stern Trawlers +LMC + UMS
Overall length:	<i>67 M</i>
Maximum draught:	<i>8 M</i>
Net tonnage:	<i>488</i>
Gross tons:	<i>899</i>
Propulsion:	<i>Diesel 4920 KW</i>
Fuel type & Capacity:	<i>Caterpillar 7300</i>
Call sign:	TFND
Telefon:	+364 851 2514 / 853 2514
Email:	<i>birtingurbru@birtingur.svn.is</i>
6. Crew:

Name of master:	<i>Steinthor Halfdanarson</i> <i>Atli Runar Eysteinnsson</i>
No. of crew:	<i>15</i>
7. Scientific Personnel: Name & address of
Scientist in charge:
Anna Olafsdottir
Greenland Institute of Natural Resources
P.O. Box 570
DK-3900 Nuuk, Greenland

No. of scientists:	<i>5</i>
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8. Geographical area in which ship will operate (with reference in latitude and longitude): *ICES VIX and NAFO 1F and 1E - se map figure 1;*
9. Brief description of purpose of cruise: *a mackerel survey to estimate abundance and biomass of pelagic species.*
10. Brief description of intended ports of call: *no port of call in Greenland*
11. Any special logistic requirements at ports of call: *No*

N O T I F I C A T I O N
OF PROPOSED RESEARCH CRUISE

DETAIL

Part B

1. Name of research ship: Birtingur Cruise no. x/15
2. Dates of cruise: From: July 27 To: Aug. 12, 2015
3. Purpose of research and general operational methods
The survey adds to the assessment of the effects of commercial fishing on the mackerel stocks in this area. The information from these surveys is essential to the monitoring the populations fished and the management of the fisheries. Stratified and transect random stations within the survey area will be sampled by pelagic trawl.

The primary objectives are as follows:

- 1. Collect the data required to establish age structure, estimate population abundance and biomass of mackerel;*
 - 2. Record numbers caught and collect length and weight data to allow calculation of abundance, biomass, and size structure;*
 - 3. Collect additional data and biological samples as time permits (e.g., lengths for bycatch, maturity information, other special requests);*
 - 4. Collect oceanographic data at each fishing station;*
 - 5. Collect WPS data at each fishing station;*
 - 6. Collect profiled oceanographic data at stations along previously established standard transect lines.*
4. Attach chart showing (on an approximate scale) the geographical Area of work, positions of intended stations, tracks of survey lines, positions of moored/seabed equipment

Sample locations for survey areas are located in the attached map.

5. Types of samples required, e.g. Geological/Water/Plankton/Fish/Radioactivity/Isotope

Samples of fish and invertebrate species for length, weight, age and maturity. Oceanographic sampling (e.g. temperature, salinity, oxygen, pH and fluorescence).

and methods by which samples will be obtained (including dredging/coring/drilling)

Pelagic trawl, Oceanographic sensor (Seabird CTD) mounted on the trawl gear and Seabird CTD with attached oxygen meter, pH meter and fluorometer deployed at stations using a winch.

6. Details of moored equipment:
No moored equipment will be deployed.

7. Explosives: *None*
- (a) Type and trade name
 - (b) Chemical content
 - (c) Dept. of Trade class and stowage
 - (d) Size
 - (e) Depth of detonation
 - (f) Frequency of detonation
 - (g) Position in latitude and longitude
 - (h) Dates of detonation

8. Detail and reference of
- (a) Any relevant previous/future cruises

ICES WGWIDE Report, Section 02 Northeast Atlantic Mackerel

- (b) Any previously published research data relating to the proposed cruise (Attach separate sheet if necessary).

9. Names and addresses of scientists of the coastal state in whose waters the proposed cruise takes place with whom previous contact has been made.

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10. State:

- (a) Whether visits to the ship in port by scientists of the Coastal state concerned will be acceptable.

Yes

- (b) Whether it will be acceptable to carry on board an observer from the coastal state for any part of the cruise and dates and ports of embarkation/disembarkation.

Five scientists from Greenland will participate in the cruise. Observers are welcome. All arrangements should be made with the Greenland scientist in charge. Embarkation Reykjavik, Iceland July 27 - disembarkation Reykjavik, Iceland Aug. 12.

- (c) When research data from intended cruise is likely to be made available to the coastal state and if so by what means.

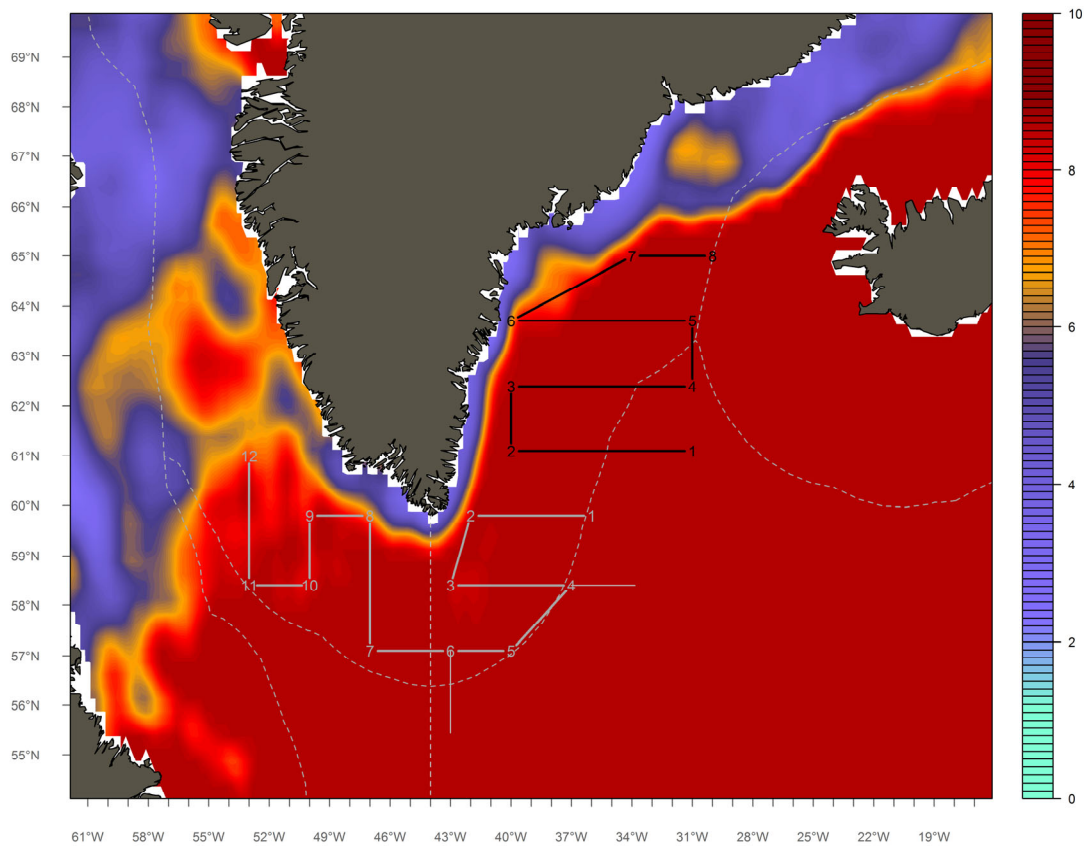
All data and material is collected by Greenlandic Scientists and will be available in Greenland. The data will be presented as a research documents at future ICES WG Wide meetings.

SCIENTIFIC EQUIPMENT

11. Complete the following table
SEPARATE COPY FOR EACH COASTAL STATE

(INDICATE 'YES' OR 'NO')

List of all major Marine Scientific Equipment it is proposed to use and indicate waters in which it will be deployed	Within fishing limits	On continental Shelf	DISTANCE FROM COAST			
			Within 3 NM	Between 3-12 NM	Between 12-50 NM	Between 50-200 NM
Pelagic trawl Seabird CTD sensor	Yes Yes	Yes Yes	no no	no no	Yes Yes	Yes Yes



Figur 1. Cruseplan. Gray line = M/S Birtingur.