

NOTIFICATION OF PROPOSED RESEARCH CRUISEGENERAL
PART A

1. Name of ship **FS 'ALKOR'**
2. Dates of cruise from 14.09.07 to 03.10.07
3. Operating Authority Leibniz-Institut für Meereswissenschaften
an der Universität Kiel
Düsternbrooker Weg 20
D-24105 KIEL
Telephone +49 (0)431- 600 – 4161/ 1542
Telefax +49 (0)431- 600 – 4152 / 1515
e-mail: tmueller@ifm-geomar.de
4. Owner (if different from para 3)
5. Particulars of ship:
- | | |
|-----------------|---------------------------|
| Name | ALKOR |
| Nationality | German |
| Overall length | 55,20 metres |
| Maximal draught | 3,95 metres |
| BRT | 1000 BRT |
| Propulsion | Diesel Electric |
| Call Sign | DBND |
| IMO no. | 8905880 |
| MMSI no. | 211216570 |
| Telephone | INMARSAT +870-321842910 |
| Telefax | INMARSAT +870-321842911 |
| e-mail | master.alkor-b@skyfile.de |
6. Crew
- | | |
|----------------|----------|
| Name of Master | Jan Lass |
| No of Crew | 10 |
7. Scientific Personnel
- | | |
|---------------------|---|
| Scientist in charge | : Jörn Schmidt |
| Name and address | : Leibniz-Institut für Meereswissenschaften an der
Universität Kiel, Düsternbrooker Weg 20, 24105 Kiel |
| Phone | : +49 431 600 4559 |
| Fax | : +49 431 600 4553 |
| e-mail | : jschmidt@ifm-geomar.de |
| No of Scientists | : 8 |
8. Geographical area in which ship will operate (with reference to latitude and longitude)
North Sea between 53°30'N and 61° N and from 004°00'W to 003°00'E
9. Brief description of purpose of cruise
Plankton sampling for the International Herring Larvae Survey (an International ICES Program), horizontal and vertical distribution of fish eggs and larvae.
10. Dates and names of intended ports of call
Two days between the 23.09.07 and the 28.09.07 Aberdeen, Scrapster
11. Any special logistic requirement at ports of call
None

DETAIL

PART B

1. Name of research ship **ALKOR** Cruise No. **307**

2. Dates of cruise from **14.09.07** to **03.10.07**

3. Purpose of research and general operational methods.

The cruise is part of the ICES International Herring Larvae Surveys in 2007; used gear is a plankton sampler ("Nackthai"), the samples are taken on a standard grid (Stations are 10 nm apart). Additional sampling is intended to get information on vertical and horizontal stratification of zoo- and ichthyoplankton. For this purpose an optical sampling device is used (Ichthyoplanktonrecorder, IPR). Additional sampling is planned by Bongo and Multi-Net.

Net opening and mesh sizes of the gears are: "Nackthai" aperture 20 cm, mesh size 300 µm, IPR opening 19.5 cm and mesh size 300 µm, Bongo 60 cm and 335 µm, Multinet 50 cm and 300 µm.

4. Attach chart showing (on an appropriate scale) the geographical area of the intended work, positions of intended stations, tracks of survey lines, positions of moored/seabed equipment.

Working area is given in the attached maps (Fig. 1, Fig. 2 and Fig. 3)

Transects of the IPR depend on and will be selected according to the herring larvae distribution.

Stations for bongo and multinet depend on and will be selected according to the herring larvae distribution.

In the Central North Sea additional stations can probably be located further east on the Doggerbank (Fig. 3)

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

Plankton

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

Double oblique tows with plankton-samplers from surface to near bottom. Undulating tows on larger transects with the Ichthyoplanktonrecorder. A CTD is attached on these samplers to get information on hydrographical data.

6. Details of moored equipment:

None

Dates:

<u>Deployment</u>	<u>tentative Recovery</u>	<u>Description</u>	<u>Latitude</u>	<u>Longitude</u>
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7. Explosives: *None*
- (a) Type and Trade Name
 - (b) Chemical content
 - (c) Depth 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
The cruise is part of the International Herring Larvae Surveys which have been carried out annually since 1972.
 - (b) Any previously published research data relating to the proposed cruise. (Attach separate sheet if necessary)
All data are published yearly by the ICES in "Report of the Herring Assessment Working Group" or in the "Report of the herring larvae survey in the North Sea" (prior to 2003).
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.
*Dr. John Simmonds, Marine Lab. Aberdeen
Dr. Paul Fernandes, Marine Lab. Aberdeen*
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.

If observers want to participate in the cruise or parts of it, prior contact to the IfM-Geomar or the cruise leader would be helpful to ensure that ports will be included for embarkation. Disembarkation will be possible in Aberdeen or in Scrapster.
 - (c) When research data from the intended cruise is likely to be made available to the coastal state and if so by what means.

The data are available to all states which are members of ICES.

SCIENTIFIC EQUIPMENT

COASTAL STATE

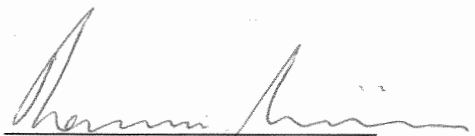
United Kingdom

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.	Fisheries Research Within Fishing Limits	Research concerning Continental Shelf out to coastal state's margin	DISTANCE FROM COAST			
			Within 3 NM	Between 3 - 12 NM	Between 12 - 50 NM	Between 50 - 200 NM
Nackthai, Towed Plankton sampler	Yes	No	Yes	Yes	Yes	Yes
Ichthyoplankton recorder Towed optical plankton sampler	Yes	No	Yes	Yes	Yes	Yes
Bongo, Towed Plankton sampler	Yes	No	No	Yes	Yes	Yes
Multinet, Towed multi opening and closing plankton sampler	Yes	No	No	Yes	Yes	Yes
CTD, attached to the plankton samplers	Yes	No	Yes	Yes	Yes	Yes

(On behalf of the Principal Scientist)

Dated: 20.05.07

Operating Authority: 

N.B. IF ANY DETAILS ARE MATERIALLY CHANGED REGARDING DATES / AREA OF OPERATION AFTER THIS FORM HAS BEEN SUBMITTED THE COASTAL STATE'S AUTHORITIES MUST BE NOTIFIED IMMEDIATELY.

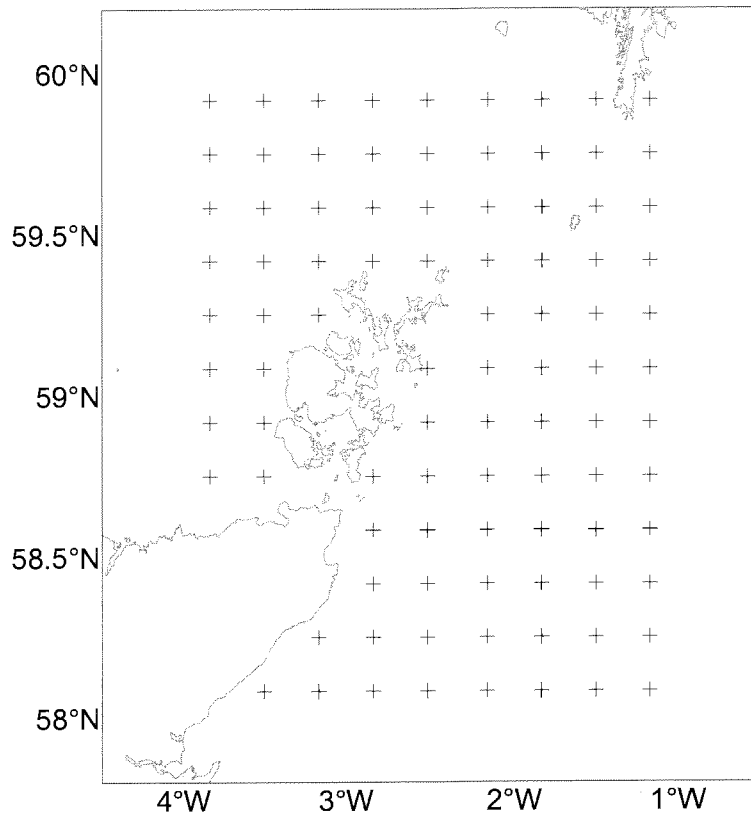


Figure 1: Proposed station grid in the Orkney/Shetland area (stations in decimal)

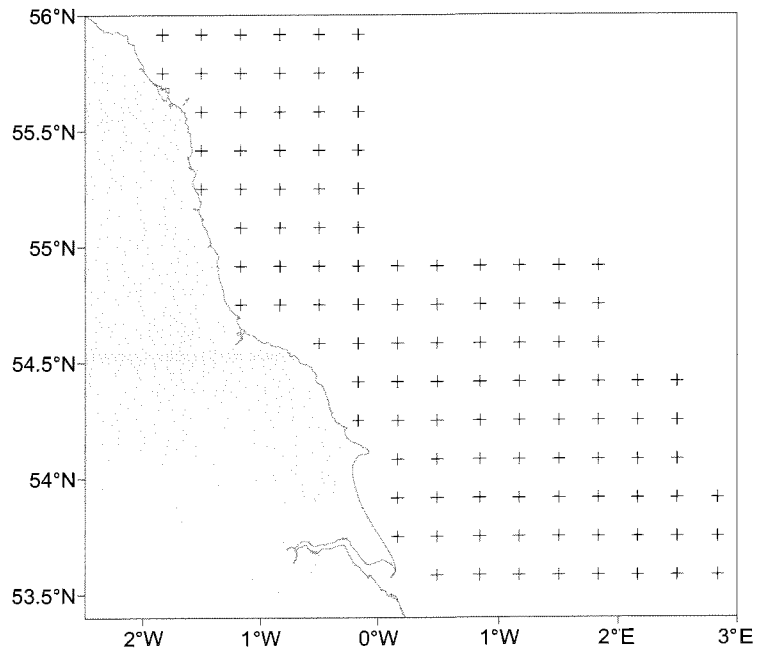


Figure 2: Proposed station grid in the Central North Sea (stations in decimal)

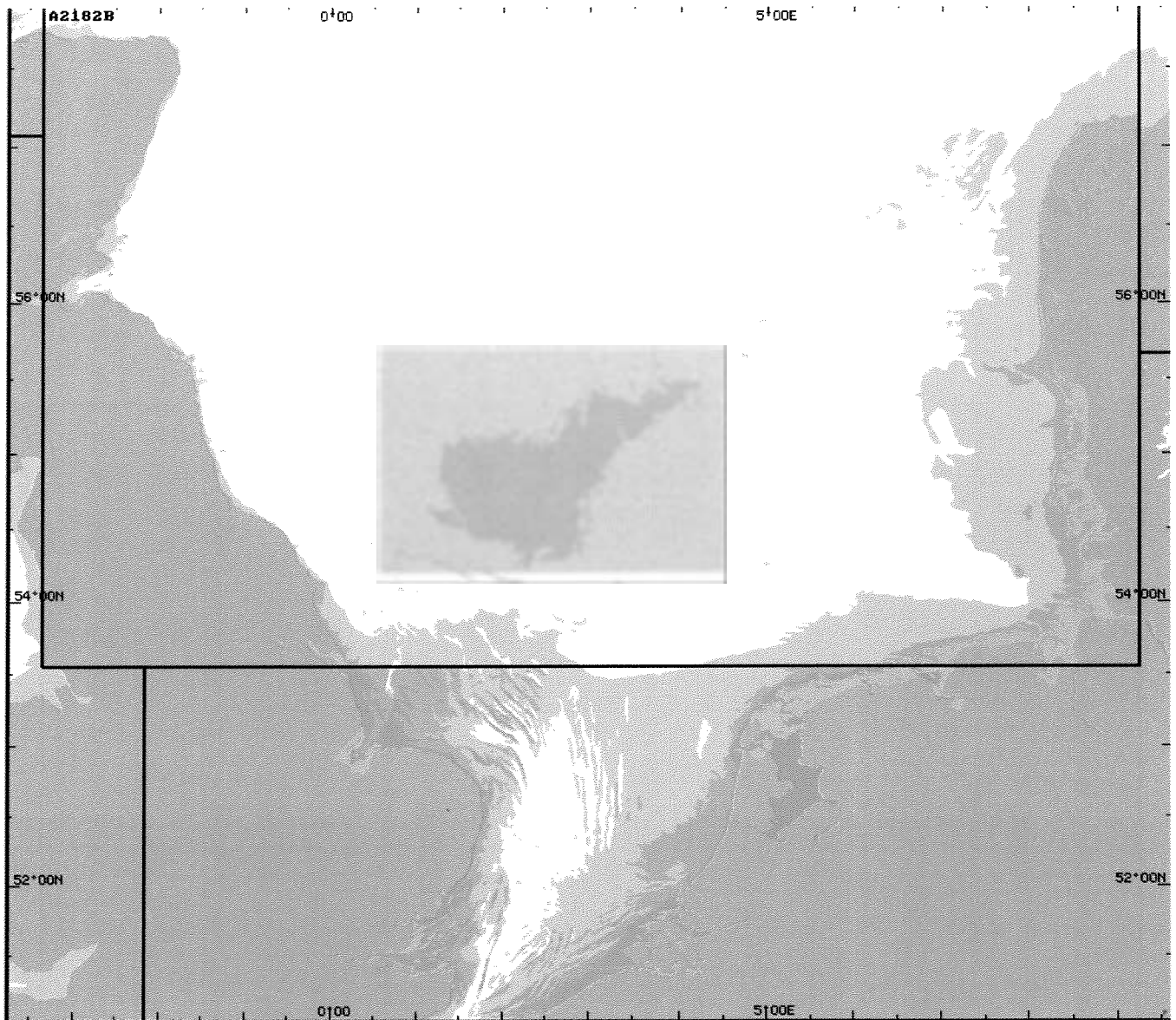


Figure 3: Additional Stations in the Central North Sea in the area of the Doggerbank (shaded rectangular)