

## NOTIFICATION OF PROPOSED RESEARCH CRUISE

### PART A: GENERAL

1. *NAME OF RESEARCH SHIP* Johan Hjort *CRUISE NO.* 2003204
2. *DATES OF CRUISE* From: 29/03/2003 To: 28/04/2003
3. *OPERATING AUTHORITY* Institute of Marine Research,  
P.O. Box 1870 Nordnes,  
N-5817 Bergen, Norway.
- Telephone: +47 55238500  
Facsimile: +47 55238531  
Telex: 42297 OCEAN N
4. *OWNER*  
(if different from No. 3)
5. *PARTICULARS OF SHIP*
- |  |                     |
|--|---------------------|
| <i>NAME:</i>   | Johan Hjort         |
| <i>NATIONALITY:</i>  | Norwegian           |
| <i>OVERALL LENGTH:</i>   | 64.50 metres        |
| <i>MAXIMUM DRAUGHT:</i>  | 6.4 metres          |
| <i>NET TONNAGE:</i>  | 548                 |
| <i>GROSS:</i>  | 1828                |
| <i>PROPULSION:</i>   | Diesel              |
| <i>CALL SIGN:</i>  | L D G J             |
| <i>VESSELS COMMUNICATION:</i>  |                     |
| <i>PHONE (SATCOM):</i>   | +47 55906400        |
| <i>FAX (SATCOM):</i>   | +47 55906401        |
| <i>TELEX (SATCOM C):</i>   | +581(584) 425713910 |
| <i>PHONE (GSM):</i>  | 90528441            |
| <i>REGISTERED PORT &amp; NUMBER:</i><br>(if registered fishing vessel) | Bergen              |
6. *CREW*
- |                        |   |
|------------------------|---|
| <i>NAME OF MASTER:</i> | Tom Ole Drange and<br>John O. Stensones |
| <i>NO. OF CREW:</i>    | 13                                      |
7. *SCIENTIFIC PERSONNEL*
- |   |   |
|---|---|
| <i>NAME AND ADDRESS OF<br/>SCIENTIST IN CHARGE:</i> | Mikko Heino<br>Institute of Marine Research,<br>P.O. Box 1870 Nordnes,<br>N-5024 Bergen,<br>Norway. |
| <i>TELEPHONE:</i>                                   | +47 55238500  |
| <i>FAX:</i>   | +47 55238687  |
| <i>TELEX:</i>                                       | 42297   |
| <i>NUMBER OF SCIENTISTS:</i>                        | 9   |
8. *GEOGRAPHICAL AREA IN WHICH SHIP WILL OPERATE*  
(with reference to latitude and longitude)
- 49deg N - 63deg N; 18deg W - 02deg E

9. *BRIEF DESCRIPTION OF PURPOSE OF CRUISE*

Acoustic assessment of the blue whiting spawning stock; also obtaining additional biological data on argentinines, mackerel and horse mackerel.

Observations on plankton and hydrography

10. *DATES AND NAMES OF INTENDED PORTS OF CALL*

Galway, approximately 03 April 2003; Stornoway, approximately 15 April 2003

11. *ANY SPECIAL REQUIREMENTS AT PORTS OF CALL*

None

## NOTIFICATION OF PROPOSED RESEARCH CRUISE

### PART B: DETAIL

1. *NAME OF RESEARCH SHIP* Johan Hjort *CRUISE NO.* 2003204

2. *DATES OF CRUISE* From: 29/03/2003 To: 28/04/2003

3. *a) PURPOSE OF RESEARCH*

Investigation with assessment on the spawning stock size, recording of the distribution and migration of blue whiting. Also additional information to be obtained of silver smelt, mackerel and horse mackerel.

Hydrographic investigations by use of CTD-sonde.

Observations on zooplankton by use of Juday-net.

*b) GENERAL OPERATIONAL METHODS*

*(including full description of any fishing gear trawl type, mesh size, etc.)*

Echo sounding and trawling (see additional sheet)

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, areas to be fished)*

5. *a) TYPES OF SAMPLES REQUIRED*

*(e.g. Geological/Water/Plankton/Fish/Radionuclide)*

Fish/plankton/water

*b) METHODS OF OBTAINING SAMPLES*

*(e.g. dredging/coring/drilling/fishing, etc.)*

*(When using fishing gear, indicate fish stocks being worked, quantity of each species required, quantify of fish to be retained on board)*

Fishing upon blue whiting, of which approximately 100 individuals/hauls are required. Quantity of fish to be retained on board: nil.

6. *DETAILS OF MOORED EQUIPMENT*

*DATES:* None

| <u>Laying</u> | <u>Recovery</u> | <u>Description</u> | <u>Depth</u> | <u>Latitude</u> | <u>Longitude</u> |
|---------------|-----------------|--------------------|--------------|-----------------|------------------|
|---------------|-----------------|--------------------|--------------|-----------------|------------------|

7. *ANY HAZARDOUS MATERIALS*

*(Chemicals, Explosives, Gases, Radioactive etc)*

*(use separate sheet, if necessary)*

None

*a) TYPE AND TRADE NAME*

*b) CHEMICAL CONTENT (& FORMULA)*

*c) IMO IMDG CODE REFERENCE & UN. NO.*

*d) QUANTITY & METHOD OF STOWAGE ON BOARD*

- e) *IF EXPLOSIVES GIVE DATE(S) OF DETONATION*      None
- *Method of detonation*
  - *Position of detonation*
  - *Frequency of detonation*
  - *Depth of detonation*
  - *Size of explosive charge in Kgs*

8. *DETAIL & REFERENCE OF*

a) *ANY RELEVANT PREVIOUS/FUTURE CRUISES*

Spring 1986 - 1996, 1998 - 2002. A similar cruise for spring 2004 is planned.

b) *ANY PREVIOUSLY PUBLISHED DATA RELATING TO THE PROPOSED CRUISE*

Godø, O.R., Heino, M., Soiland, H., Alvarez, J., Dahl, M., de Lange, J., Gullaksen, O., Tangen, O. and Torkelsen, T. 2002. Blue whiting survey during spring 2002. Working Document to The Northern Pelagic and Blue Whiting Fisheries Working Group, Vigo, Spain, 29 April - 08 May 2002. 27 pp. Institute of Marine Research. Bergen 2002. (enclosed).

9. *NAMES AND ADDRESSES OF SCIENTISTS OF THE COASTAL STATE(S) IN WHOSE WATERS THE PROPOSED CRUISE TAKES PLACE WITH WHOM PREVIOUS CONTACT HAS BEEN MADE*

See additional sheet

10. STATE

a) *WHETHER VISITS TO THE SHIP IN PORT BY SCIENTISTS OF THE COASTAL STATE CONCERNED WILL BE ACCEPTABLE*

Yes

b) *PARTICIPATION OF AN OBSERVER FROM THE COASTAL STATE FOR ANY PART OF THE CRUISE TOGETHER WITH THE DATES AND PORTS FOR EMBARKATION/DISEMBARKATION*

Acceptable. Dates and ports to be closer settled, if wanted by coastal states.

c) *WHEN RESEARCH DATA FROM THE INTENDED CRUISE IS LIKELY TO BE MADE AVAILABLE TO THE COASTAL STATE AND BY WHAT MEANS*

April 2003, as a cruise report

**PART C: SCIENTIFIC EQUIPMENT**

COASTAL STATE: United Kingdom  
 PORT CALL: Stornoway  
 DATES: 15 April 2003

11. COMPLETE THE FOLLOWING TABLE - SEPARATE PAGE FOR EACH COASTAL STATE  
 (indicate "Yes" or "No")

| LIST SCIENTIFIC WORK BY FUNCTION e.g. MAGNETOMETRY GRAVITY DIVING SEISMICS BATHYMETRY SEABED SAMPLING TRAWLING ECHO SOUNDING WATER SAMPLING U/W TV MOORED INSTRUMENTS TOWED INSTRUMENTS | WATER COLUMN INCLUDING SEDIMENT SAMPLING OF THE SEABED | FISHERIES RESEARCH WITHIN FISHING LIMITS | RESEARCH CONCERNING THE NATURAL RESOURCES OF THE CONTINENTAL SHELF OR ITS PHYSICAL CHARACTERISTICS | DISTANCE FROM COAST |                     |                       |
|---|--|--|--|---------------------|---------------------|-----------------------|
|   |  |  |  | WITHIN 4 NM         | BETWEEN 4 AND 12 NM | BETWEEN 12 AND 200 NM |
| Trawling  | 500m   | No                                       | No   | No                  | No                  | Yes                   |
| Echo sounding   | -  | No                                       | No   | No                  | Yes                 | Yes                   |
| Towed instr.  | -  | No                                       | No   | No                  | No                  | Yes                   |

(On behalf of the Principal Scientist)

Dated 20<sup>th</sup> January 2003

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

Area of investigation and approximate cruise tracks for Johan Hiort in March - April 2003

Z CTD  
○ Dip-net (80 cm)

