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NOTIFICATION OF PROPOSED RESEARCH CRUISE

PART A: GENERAL

1. NAME OF RESEARCH SHIP: R/V "Håkon Mosby"
APPLICATION NO.: CRUISE NO. 2008602
2. DATES OF CRUISE
From: February 3, 2008
To: February 22, 2008
3. OPERATING AUTHORITY:
Institute of Marine Research
P.O. Box 1870 Nordnes
N-5817 BERGEN
NORWAY

TELEPHONE: 47-55238500
TELEFAX : 47-55238531
TELEX: 42297 OCEAN N
E-MAIL: post@imr.no
4. OWNER
(if different from no. 3)
5. PARTICULARS OF SHIP:
Name: "Håkon Mosby"
Nationality: Norwegian
Overall length: 48 metres
Maximum draught: 4.5 metres
Net tonnage: 499
Propulsion: Diesel
Call sign: L J I T
Telephone: +47-5590 6420/23 (fax 21)
GSM 97 70 14 13
E-mail: haakon.mosby@imr.no
Registration port and number: Bergen
(if registered fishing vessel)
6. CREW
Name of master: Jommy Karlsen/John Gerard Aasen
Number of crew: 11

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Scientist in charge: *Guldborg Søvik*
Institute of Marine Research
P.O.Box 6404
N-9294 Tromsø
Norway
Tel/telex/fax no.: *(+47)77609753/(+47)77609701*

7. NO OF SCIENTISTS: 5
8. GEOGRAPHICAL AREA IN WHICH SHIP WILL OPERATE (with reference to latitude and longitude)
- 5700N 0300E, 5730N 1100E, 5900N 1100E, 6000N 0300E and 5700N 0200W-0800E.*
9. BRIEF DESCRIPTION OF PURPOSE OF CRUISE
- Survey of shrimp (Pandalus borealis) and demersal fish in the Norwegian Deep and Skagerrak.*
Hydrographical investigations, including sampling of nutrients and chlorophyll, and plankton investigations along standard sections (Okseøy-Hanstholm, Hanstholm-Aberdeen) from Norway to Denmark and Denmark to Scotland.
10. DATES AND NAMES OF INTENDED PORTS OF CALL
- Hirtshals, approximately 15th February 2008*
11. ANY SPECIAL REQUIREMENTS AT PORTS OF CALL
- No*

NOTIFICATION OF PROPOSED RESEARCH CRUISE

PART B: DETAIL

1. NAME OF RESEARCH SHIP: *R/V "Håkon Mosby"*
APPLICATION NO.: *CRUISE NO. 2008602*
2. DATES OF CRUISE *February 3-22, 2008*
3. a) PURPOSE OF RESEARCH
Survey of shrimp (Pandalus borealis) for stock assessment in the Norwegian Deep and Skagerrak.
Hydrographical investigations (CTD, sampling of nutrients and chlorophyll) and plankton investigations along standard sections (Okseøy-Hanstholm, Hanstholm-Aberdeen) from Norway to Denmark and Denmark to Scotland.
- b) GENERAL OPERATIONAL METHODS (including full description of any fish gear, trawl type, mesh size, etc.)

Bottom trawl: Campelen 1800, with 6 mm mesh size in inner net in the cod end.

4. ATTACH CHART showing (on an appropriate scale) the geographical area of intended work, positions of intended stations, tracks of survey lines, positions of moored/seabed equipment, areas to be fished

Map hydrographical sections HM_2008602.doc: stations no. 714-724 and 725-745, 755-766 show standard sections during this cruise

Map shrimp survey HM-2008602.doc: shows area of shrimp survey

Map shrimp survey stations HM-2008602.doc: shows positions of intended trawl stations during the shrimp survey

5. a) TYPES OF SAMPLES REQUIRED (e.g., geological/water/plankton/fish/radio nuclide).

Fish and crustaceans.

Water samples: nutrients and chlorophyll

Plankton

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, and quantity of fish to be retained on board

Bottom trawling. Length and weight measurements of samples of all fish and crustacean species caught.

App. 100 shrimp from four stations will be retained for later genetic analyses.

CTD. Water samples.

Plankton net. Plankton samples.

6. DETAILS OF MOORED EQUIPMENT

Dates

Laying

Recovery

Description

Depth

Latitude

Longitude

7. ANY HAZARDOUS MATERIALS (chemicals/explosives/gases/radioactives, etc. (Use separate sheet if necessary) -

a) Type and trade name

Formaldehyde 40% (1 l)

Borax (500 g)

Chloroform (1 l)

Lugol (0.5 l)

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b) Chemical content

(and formula)

c) IMO IMDG code

(reference and UN no.)

d) Quantity and method of storage on board*Quantities, see above. Stored in special cabinet for chemicals on board*e) If explosives give date(s)

of detonation

NIL

- Method of detonation

- Position of detonation

- Frequency of detonation

- Depth of detonation

- Size of explosive charge in kg.

8. DETAIL AND REFERENCE OFa) Any relevant previous/future cruises*Yearly since 1984.*b) Any previously published research data relating to the proposed cruise*ICES working group on Pandalus stocks (WGPAND), yearly reports since 1984.*9. NAMED AND ADDRESSES OF SCIENTISTS OF THE COASTAL STATE(S) IN WHOSE WATERS THE PROPOSED CRUISE TAKES PLACE WITH WHOM PREVIOUS CONTACT HAS BEEN MADE*Sten Munch-Petersen, Danmarks Fiskeriundersøgelser,
Charlottenlund Slot, Charlottenlund, Danmark**Mats Ulmestrand, Fiskeriverkets havsfiskelaboratorium, Lysekil, Sverige**Bill Turrell, Marine Laboratory, Aberdeen, Scotland*10. STATEa) Whether visits to the ship in port by scientists of the coastal state concerned will be acceptable (Yes/No) Yesb) Participation of an observer from the coastal state for any part of the cruise together with the dates and the ports for embarkation and disembarkationc) When research data from the intended cruise is likely to be made available to the coastal state and by what means
Through ICES

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PART C. SCIENTIFIC EQUIPMENT

Complete the following table Coastal state: *Denmark, Sweden, and Scotland*
using a separate page for each coastal state (*identical for all states*)

Port call: *Hirtshals*

Dates: *app. 15th February 2008.*

Indicate "YES or "NO"

No

				Distance from coast		
List scientific work by function						
e.g. Magnetometry Gravity Diving Seismics Seabed sampling Bathymetry Trawling Echo sounding Water sampling U/W TV Moored instr. Towed instr.	Water column including sediment sampling of the seabed	Fisheries research within fishing limits	Research concerning Continental Shelf out to Coastal State's margin	Within 4 nm	Between 4-12 nm	Between 12 and 200 nm
Trawling	No	Yes	No	No	Yes	Yes
Echo sounding	No	Yes	No	No	Yes	Yes
Water sampling	No	Yes	No	No	Yes	Yes

Torgeir Hindenes

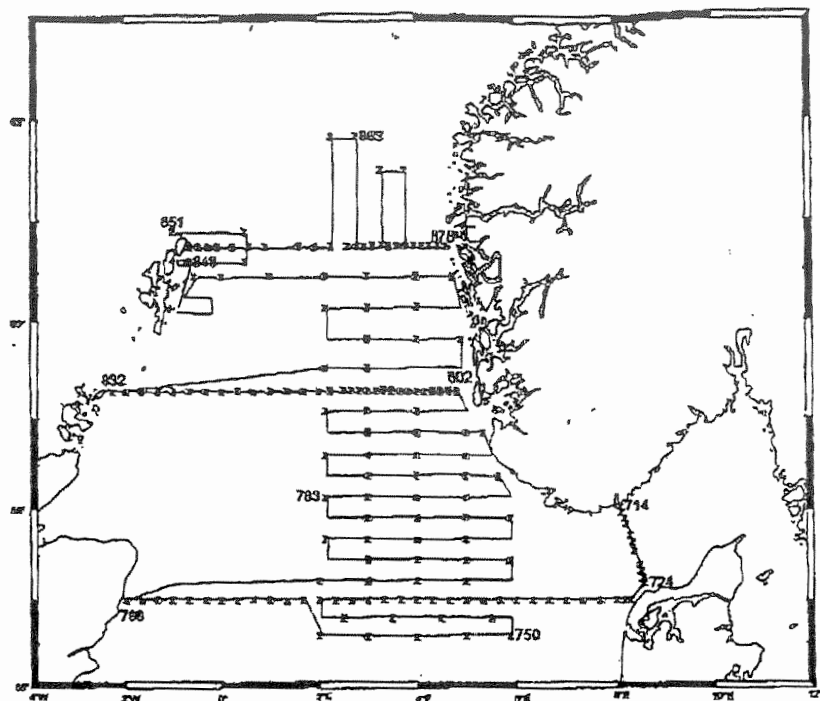
Operation Officer - Tarje Hindenes

(On behalf of the principal Scientist)



MINISTERIET FOR FISKERISAK OG KYST
NORWEGIAN MINISTRY OF FISHERIES AND COASTAL AFFAIRS
Fiskeridepartementet
Postboks 100
0407 Oslo

NB. 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.

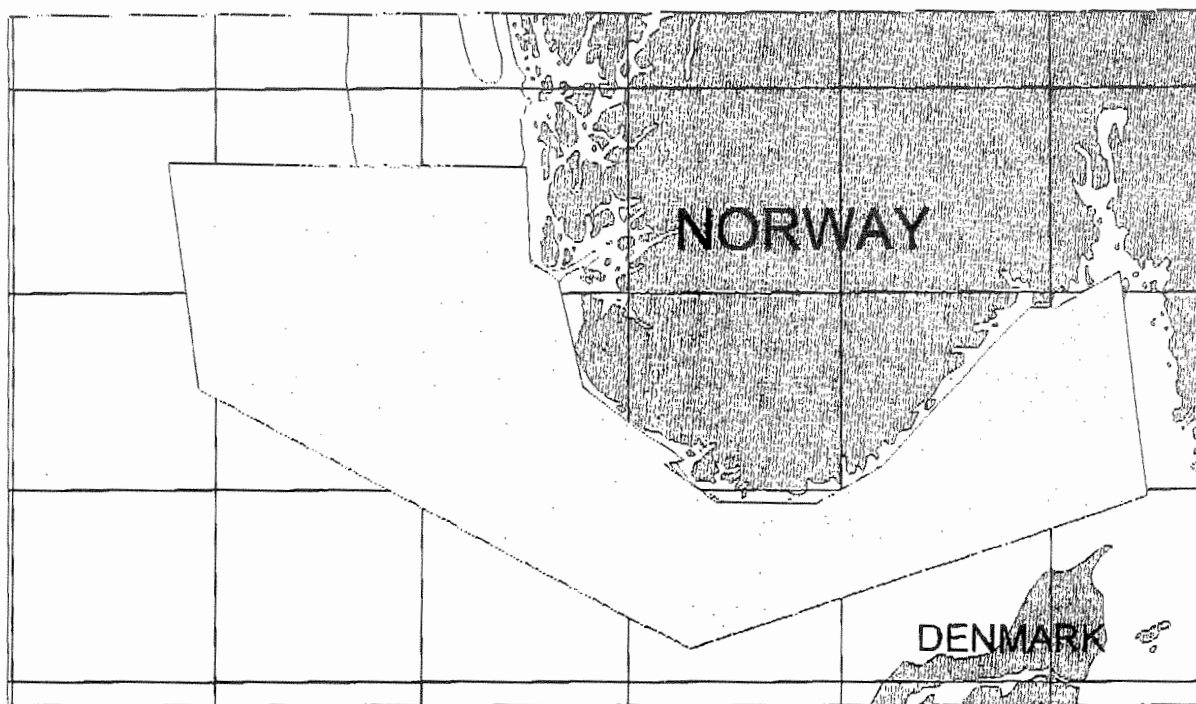


R/V "Håkon Mosby"
Cruise no. 2008602
February 3-22, 2008

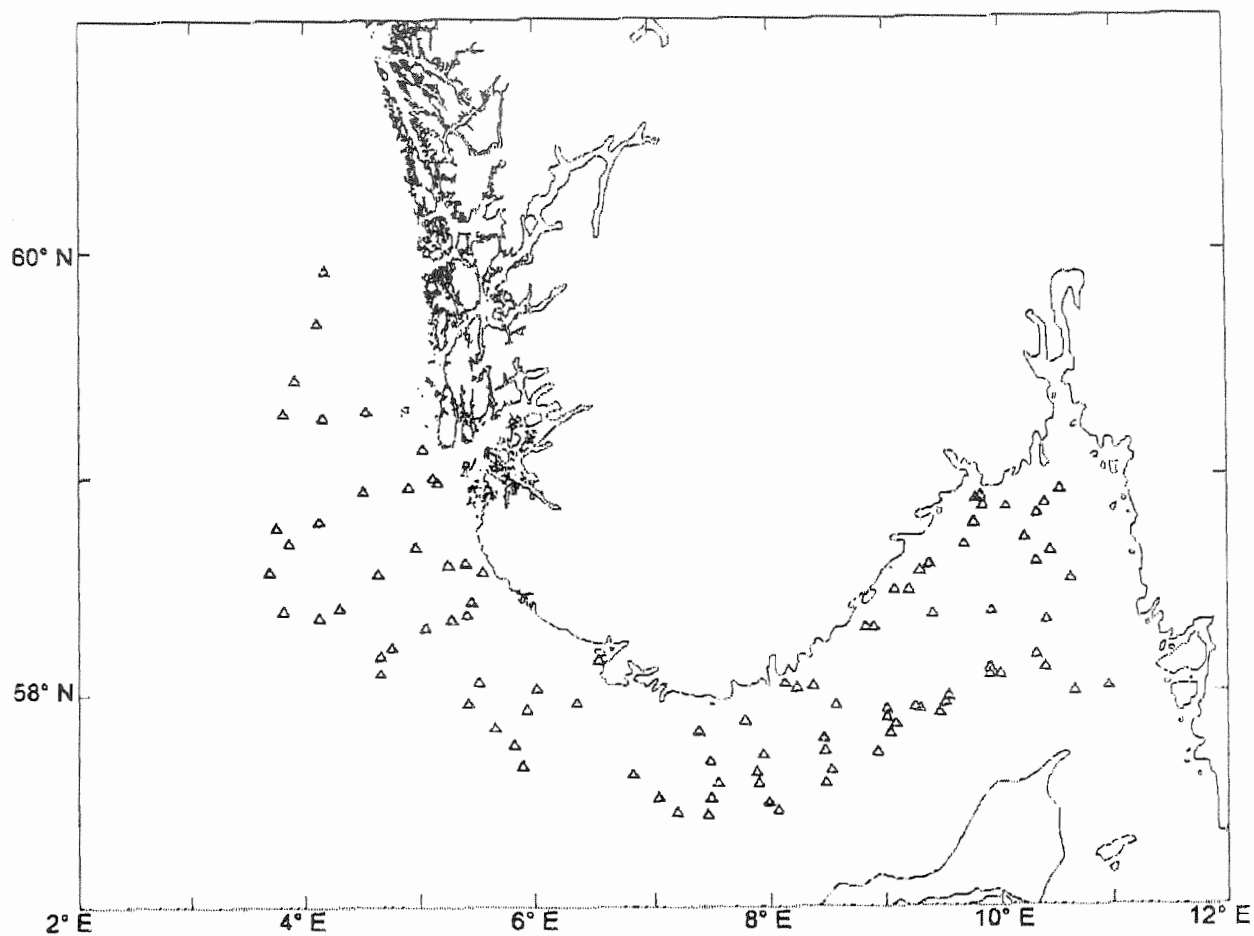
Z = CTD st. no. 714-878

This cruise will cover the following standard sections:

Okse-Hanstholm st. no. 714-724
Hanstholm-Aberdeen st. no. 725-745 and 755-766



R/V "Håkon Mosby"
CRUISE NO. 2008602
DATES: 3-22 February 2008
Area of shrimp survey



R/V "Håkon Mosby"
CRUISE NO. 2008602
DATES: 3-22 February 2008
Positions of intended trawl stations during shrimp survey