

NOTIFICATION OF PROPOSED RESEARCH CRUISE

PART A: GENERAL

1. NAME OF RESEARCH SHIP: F/V "EROS" CRUISE NO. 2007831

2. DATES OF CRUISE From: July 15, 2007 To: August 6, 2007

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

4. OWNER (if different from no. 3) Eros A/S
 N-6092 Eggesbønes
 Norway
 +47 70088232

5. PARTICULARS OF SHIP: Name: "EROS"

 Nationality: Norwegian

 Overall length: 75.9 metres

 GRT : 2148 tonnes

 Propulsion: 2x3260 bhp MaK 8M25

 Call sign: LIVA

 Registration port and number
 (if registered fishing vessel):
 Ålesund, Norway
 M-60-HØ

6. CREW Name of master: Per Magne Eggesbø
 Number of crew: 9

7. SCIENTIFIC PERSONNEL Name and address of scientist in charge: Leif Nøttestad
Institute of Marine Research
P.O. Box 1870 Nordnes
N-5817 BERGEN NORWAY
- Tel/telex/fax no.: (+47)55238500/42297/(+47)55238687
- No. of scientists: 9 scientists 1st part (15-24 July)
10 scientists 2nd part (24 July-6 August)
8. GEOGRAPHICAL AREA IN WHICH SHIP WILL OPERATE (with reference to latitude and longitude)
- Norwegian Sea and surrounding areas including: EEZ UK, EEZ Faroe Island, EEZ Iceland, EEZ Greenland Sea, Denmark, EC from ca 62°N to 75°N, from 17°E to 20°W, mainly ca 15 n.miles or more off coastal areas.
9. BRIEF DESCRIPTION OF PURPOSE OF CRUISE
- Ecosystem cruise with oceanography, zooplankton sampling, biological sampling of herring, mackerel, blue whiting and marine mammal sightings.
10. DATES AND NAMES OF INTENDED PORTS OF CALL
- Bodø, Norway 24 July 2007
Jan Mayen 2 August 2007
Tromsø 6 August 2007
11. ANY SPECIAL REQUIREMENTS AT PORTS OF CALL
- Normal supplies only (water, food, oil)

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PART B: DETAIL

1. NAME OF RESEARCH SHIP: F/V "EROS" CRUISE NO. 2007831
2. DATES OF CRUISE From: 15 July 2007 To: 6 August 2007

3. a) PURPOSE OF RESEARCH

Understanding the Norwegian Sea ecosystem and especially the distribution, migration, feeding and spatial overlap of important pelagic planktivorous species in relation to hydrography, plankton and top predators.

b) GENERAL OPERATIONAL METHODS (including full description of any fish gear, trawl type, mesh size, etc.)

Echo sounding and trawling (see add. sheet), CTD.

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

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

Fish.

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

Fishing with pelagic trawl upon mackerel, herring and blue whiting, of which approx. 100 individuals/haul are required.

Quantity of fish to be retained on board: up to 200 tonnes of mackerel, herring and blue whiting due to catch needed for biological research. Other species: nil.

6. DETAILS OF MOORED EQUIPMENT

<u>Dates</u>		<u>Description</u>	<u>Depth</u>	<u>Latitude</u>	<u>Longitude</u>
<u>Laying</u>	<u>Recovery</u>				

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

- | | |
|--|-------------|
| a) <u>Type and trade name</u> | None
NIL |
| b) <u>Chemical content</u> (and formula) | NIL |
| c) <u>IMO IMDG code</u> (reference and UN no.) | NIL |
| d) <u>Quantity and method of storage on board</u> | NIL |
| e) <u>If explosives</u> 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 OF

a) Any relevant previous/future cruises

Summer 2004-2006 with Norwegian chartered fishing vessels. A similar cruise for summer 2008 is planned.

b) Any previously published research data relating to the proposed cruise

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

PGNAPES involved scientists from European countries

10. STATE

a) Whether visits to the ship in port by scientists of the coastal state concerned will be acceptable (Yes/No)

Yes

b) Participation of an observer from the coastal state for any part of the cruise together with the dates and the ports for embarkation and disembarkation

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

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

August/September 2007, as cruise report one for the vessels chartered by the Institute of Marine Research separately). The results will also be summarized in the report of ICES Planning Group Planning Group on Northeast Atlantic Pelagic Ecosystem Surveys, which will meet in 14-17 August 2007.

PART C. SCIENTIFIC EQUIPMENT

Complete the following table using a separate page for each coastal state

Coastal state: U.K., Denmark (the Faroes and Greenland) and Iceland

Port call: NO

Indicate "YES or "NO"

Dates: 15 July – 6 August 2007

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 the natural resources of the continental shelf or its physical characteristics	Distance from coast		
				Within 4 nm	Between 4-12nm	Between 12 and 200 nm
Trawling	0-400m	No	No	No	No	Yes
CTD sonde	0-500m	No	No	No	No	Yes
Echo sounding (hull mounted)	n.a.	No	No	No	Yes	Yes

Beate E. Aardal
(On behalf of the Principal Scientist)



HAVFORSKNINGSINSTITUTTET
INSTITUTE OF MARINE RESEARCH
Rederiscksjonen / Research Vessel Division
P.O.Box 1870 Nordnes - N-5817 Bergen - Norway

.Dated 11 May 2007

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.

Additional information for Part B: Detail

3.b) GENERAL OPERATIONAL METHODS

Echo sounding and trawling.

Pelagic trawl, circumference: 2300m
mesh size of inner net in cod end: 40mm
door size: 9 sq.m

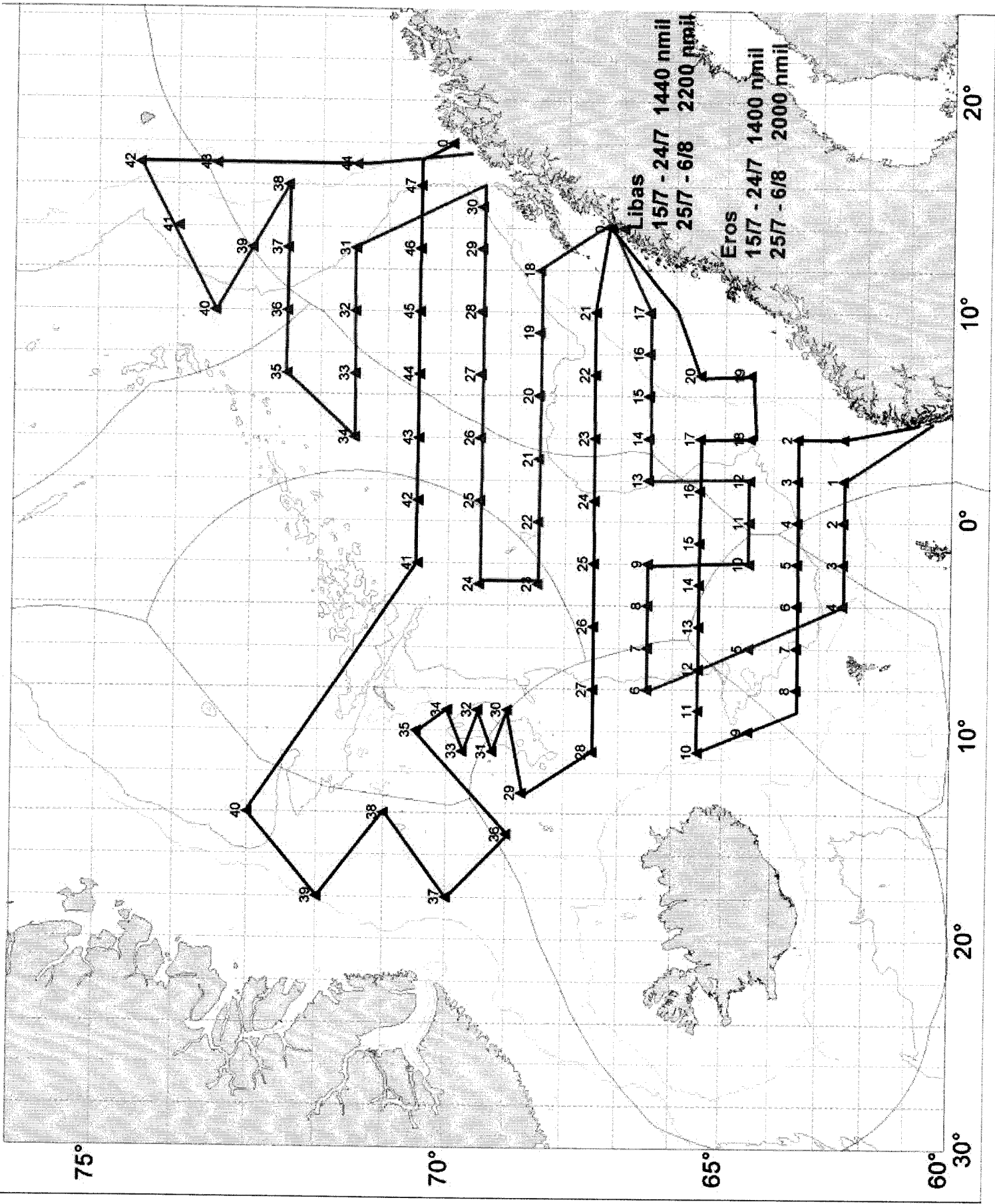
Pelagic trawl, circumference: 1600m
mesh size of inner net in cod end: 40mm
door size: 9 sq.m

Pelagic trawl, circumference: 450m
mesh size of inner net in cod end: 22mm
door size: 6 sq.m

9. NAMES AND ADDRESSES OF SCIENTISTS OF THE COASTAL STATES IN
WHOSE WATERS THE PROPOSED CRUISE TAKES PLACE WITH WHOM
PREVIOUS CONTACT HAS BEEN MADE

UK: John Simmonds
FRS Marine Laboratory
PO Box 101, 375 Victoria Road,
Aberdeen, AB11 9DB, Scotland

Faroe Islands: Jan Arge Jacobsen
Fiskirannsóknarstovan
PO Box 3051, Nóatún 1
110 Tórshavn



Libas
 15/7 - 24/7 1440 nmil
 25/7 - 6/8 2200 nmil

Eros
 15/7 - 24/7 1400 nmil
 25/7 - 6/8 2000 nmil

75°

70°

65°

60°

30°

20°

10°

0°

10°

20°