

NOTIFICATION OF PROPOSED RESEARCH CRUISE

PART A: GENERAL

1. *NAME OF RESEARCH SHIP* Dana *CRUISE NO.*
2. *DATES OF CRUISE* From: 26th Feb 2004 To: 8th Mar 2004
3. *OPERATING AUTHORITY* Danish Institute for Fisheries Research
P.O.Box 101
DK-9850 Hirtshals
- Telephone: 98944500
Facsimile: 3363260
Telex: 67765 dfhh dk
4. *OWNER* Ministry of Food, Agriculture and Fisheries
(if different from No. 3) Holbergsgade 2, DK-1057 Copenhagen K
5. *PARTICULARS OF SHIP*
- | | |
|--------------------------------------|--------------------------------------|
| <i>NAME:</i> | Dana |
| <i>NATIONALITY:</i> | Danish |
| <i>OVERALL LENGTH:</i> | 80 metres |
| <i>MAXIMUM DRAUGHT:</i> | 6.3 metres |
| <i>GRT:</i> | 669.53 tonnes |
| <i>PROPULSION:</i> | Steam Turbine/Diesel/Diesel Electric |
| <i>CALL SIGN:</i> | OXBH |
| <i>TELEPHONE:</i> | 98944500 |
| <i>FAX:</i> | 3363260 |
| <i>REGISTERED PORT & NUMBER:</i> | Hirtshals |
- (if registered fishing vessel)
6. *CREW*
- | | |
|------------------------|--------------|
| <i>NAME OF MASTER:</i> | Frode Larsen |
| <i>NO. OF CREW:</i> | 28 |
7. *SCIENTIFIC PERSONNEL*
- NAME AND ADDRESS OF SCIENTIST IN CHARGE:*
Peter Munk
Danish Institute for Fisheries Research
Department of Marine Ecology and Aquaculture
Charlottenlund Castle
DK-2920 Charlottenlund
Denmark
- TEL./TELEX/FAX NO:* Tel - +45 3396 3409
Fax - +45 3396 3434
- NUMBER OF SCIENTISTS:* 12
8. *GEOGRAPHICAL AREA IN WHICH SHIP WILL OPERATE*
(with reference to latitude and longitude)

58.8° – 54° N, 2° – 11° E

9. *BRIEF DESCRIPTION OF PURPOSE OF CRUISE*

Assessment of spawning areas of North Sea plaice and cod by internationally coordinated survey programme. A number of North Sea countries join effort, sampling eggs and larvae of plaice and cod during their spawning period from January to March and extensive sampling grid covers the entire North Sea, of which Denmark is allocated a section in the North-eastern part.

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

None

11. *ANY SPECIAL REQUIREMENTS AT PORTS OF CALL*

No

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PART B: DETAIL

1. *NAME OF RESEARCH SHIP* Dana *CRUISE NO.* 2-2004

2. *DATES OF CRUISE* From: 26th Feb 2004 To: 8th Mar 2004

3. *a) PURPOSE OF RESEARCH*

Assessment of spawning areas of North Sea plaice and cod by internationally coordinated survey programme. A number of North Sea countries join effort, sampling eggs and larvae of plaice and cod during their spawning period from January to March and extensive sampling grid covers the entire North Sea, of which Denmark is allocated a section in the North-eastern part.

b) GENERAL OPERATIONAL METHODS

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

Physical measurements by CTD, biological sampling by a range of plankton nets (mesh sizes 0.2-0.5 mm). No fishing.

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)

Water, 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, quantify of fish to be retained on board)

Vertical profiling, towing nets.

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>
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None

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*

- *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*

Cruises with Dana March 1997 and March 2001

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

Munk, P.; Wright, P.J.; Pihl, N.J. (2002) Distribution of the early larval stages of cod, plaice and lesser sandeel across haline fronts in the North Sea. *EUST COAST SHELF SCI* 55: 139-149

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*

Clive Fox (Chair)
CEFAS
Pakefield Road
Lowestoft, Suffolk
England, NR33 OHT

Tel +44 1502 552244

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*

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

Will be published in reports of the International Council for Exploration of the Seas.

PART C: SCIENTIFIC EQUIPMENT

COASTAL STATE: United Kingdom

PORT CALL:

DATES: 26th Feb – 8th Mar 2009

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
Water sampling	Yes	No	Yes	No	Yes	No
Towed instruments	Yes	No	Yes	No	Yes	No

(On behalf of the Principal Scientist)

Dated: 27th October 2004

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.

