

NOTIFICATION OF PROPOSED RESEARCH CRUISE

Part A: GENERAL

1. **Name of research ship:** RV Pelagia

2. **Cruise dates:** 29 July/21 August 2006

- 3a. **Operating authority:** Royal Netherlands Institute for Sea Research (NIOZ)
Telephone: (+31) (0)222-369300
Telefax: (+31) (0)222-319674

- 3b. **Operating agent:** Netherlands Institute for Sea Research (NIOZ)
Fleetmanger Th.C.J. Buisman
Telephone: (+31) (0)222-369375
Telefax: (+31) (0)222-31480
Mobile (+31) (0)651341387

4. **Owner:** Royal Netherlands Institute for Sea Research (NIOZ)

5. **Particulars of ship:**

name:	Pelagia
nationality:	Dutch
overall length:	66.00 meters
maximum draught:	4.00 meters
nett tonnage:	1553 NRT
propulsion:	2 diesel electric Elliot White Gill Bow Truster
call sign:	PGRQ

6. **Crew:**

name of master:	C.G. de Graaff
number of crew:	12

7. **Chief scientist:**

name:	Dr. Quentin Huggett
addresses:	Geotek Ltd 3 Faraday Close Drayton Fields Daventry
telephone:	01327 311666
telefax:	01327 311555
e-mail address:	huggett@geotek.co.uk

**8. Geographical area in which the ship will operate:
(with reference in latitude and longitude)**

- 8.1 East of Shetland reefs (60°N 0°W)
- 8.2 Northern F-S Channel (Mud Diapirs) (62°40'N, 1°20'W)
- 8.3 Judd Deep (F-S Channel) (61°N, 4°W)
- 8.4 Southern F-S Channel (60°N, 5°W)
- 8.5 Moray Firth (58°N, 3°W)

9. Brief description of purpose of cruise:

The vessel is being Chartered on behalf of the Department of Trade and Industry to carry out environmental sampling and photography as part of the Strategic Environmental Assessment work that has been in progress for the past 4 years.

Data and samples are processed by a variety of academic institutions on behalf of the DTI and reported on via the public consultation process visible on the SEA website www.offshore-sea.org.uk

10. Names and dates of intended ports of call:

If necessary, the vessel will call at Peterhead or Aberdeen

11. Any special logistic requirements at ports of call:

None

Part B: DETAIL

1. Name of research ship: RV Pelagia

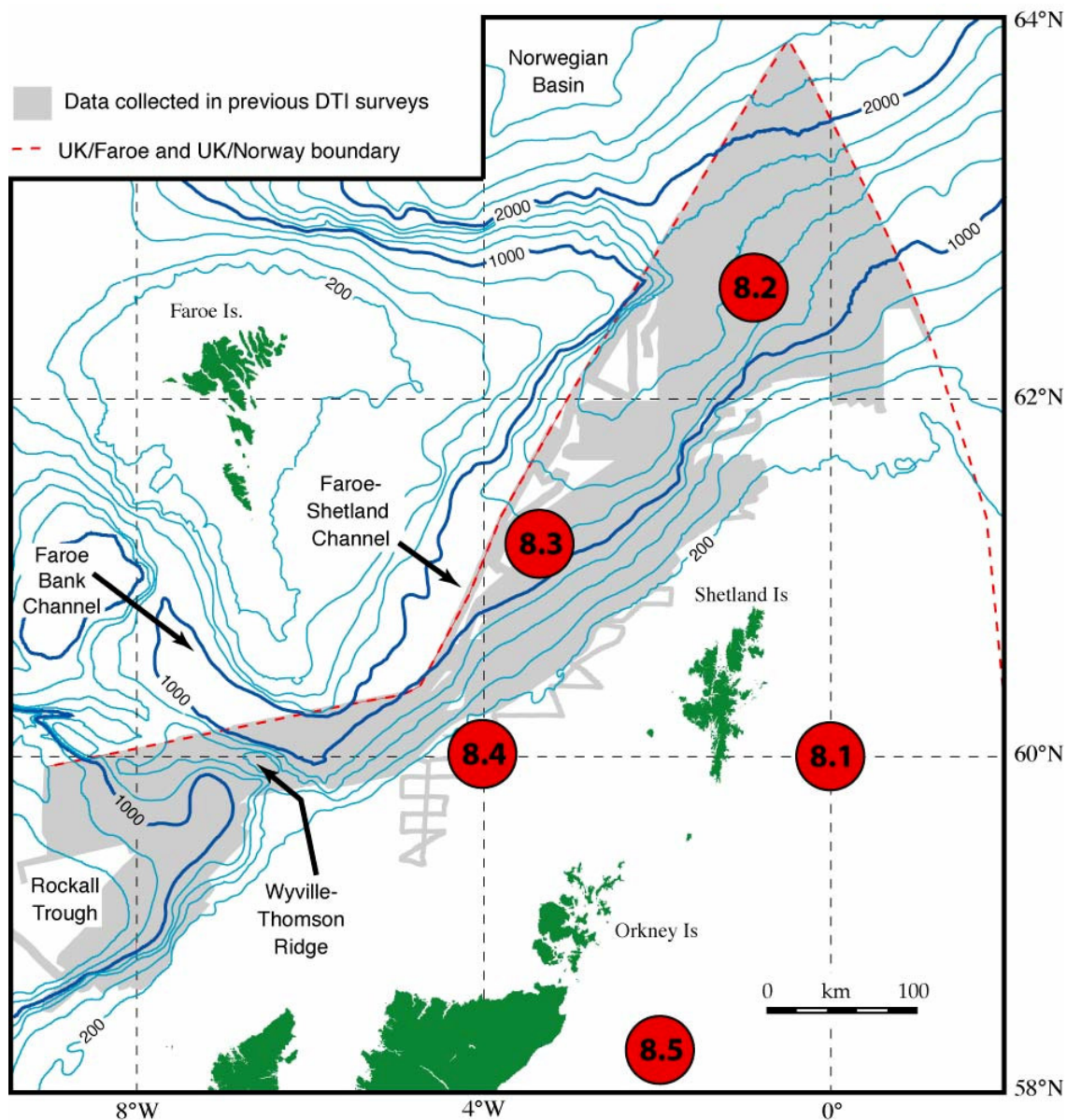
2. Cruise dates: 29 July/21 August 2006

3. Purpose of research and general operational methods:

The Faeroe – Shetland Channel is an area of interest to companies for hydrocarbon exploration but also an area of unprecedented interest from an environmental perspective. Over the past decade several European Research organisations and organisations funded by the DTI have carried out a variety of research programs to describe and understand the environment and processes of the F-S channel.

This work, funded wholly by the DTI is part of the continuing programme of research and will deploy cameras and corers to investigate specific targets identified in previous surveys. The data and samples will be analysed and reported on by a variety of UK institutions including the Scottish Association for Marine Sciences (SAMS), the British Geological Survey (BGS) and the National Oceanography Centre (NOC). A representative of one of these organisations shall be on board the vessel supervising operations.

4. Attach chart showing (on an appropriate scale) the geographical area of the intended work, positions of intended stations/hydrographic sections:



5a. Type of samples required:

Underwater photographs
Sediment samples

5b. Methods by which samples will be obtained (including dredge/core/drill techniques):

Photographs will be taken using a suspended camera.
Sediment samples will be obtained using a grab, box corer and multicorer, all of which will be precisely located and positioned to obtain high quality samples from carefully chosen sites.

6. Details of moored equipment:

None

7. Explosives:

No explosives.

8. Detail and reference of:

a. Any relevant previous/future cruises:

Please refer to www.offshore-sea.org.uk

**b. Any previous published research data relating to the proposed cruise:
(Attach separate sheet if necessary)**

Please refer to www.offshore-sea.org.uk

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:

Bob Gatcliffe
Director of Marine Geology,
British Geological Survey
Murchinson House
West Mains Road
Edinburgh
EH9 3LA
0131 667 1000ENAM

Doug Masson
National Oceanography Centre
Empress Dock
European Way
Southampton
HANTS
SO14 3ZH
023 8059 6568

Bhavani Narayanaswamy
Scottish Association for Marine Science
Deep-Sea Benthic Group
Dunstaffnage Marine Laboratory
Oban
Argyll
PA37 1QA
01631 559305

10. State:

a. Whether visits to the ship in port by scientist 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:

Yes.

c. When research data from intended cruise is likely to be made available to the coastal state and if so, by what means:

The data will be made available through a scientific publication.

SCIENTIFIC EQUIPMENT

11. Complete the following table - include a separate copy for each coastal state (indicate "Yes" or "No" if applicable)

Marine scientific equipment used	water depth (m)	fisheries research	distance of research to coast in nautical miles	3-12	12-50	50-200
				< 3		
U/W cameras	50 – 2000	no	no	no	yes	yes
Grabs	50 - 2000	no	no	no	yes	yes
Cores	50 - 2000	no	no	no	yes	yes

List of intended sampling stations during Pelagia cruise

Sampling stations to be identified following photographic surveys

References

Please refer to the numerous reports available on the DTI website:
www.offshore-sea.org.uk