

NOTIFICATION OF PROPOSED RESEARCH CRUISE

Part A: GENERAL

1. Name of research ship: RV Pelagia

2. Cruise dates: from 03rd August 2007
to 19th August 2007

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

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

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: J. Ellen
number of crew: 10

7. Chief scientist: name: Dr. Hartmut Heinrich
addresses: Federal Maritime and Hydrographic Agency
20305 Hamburg
P.O.Box 301220

telephone: (+49) (0)40-31903200
telefax: (+49) (0)40-31905000
e-mail address: hartmut.heinrich@bsh.de

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

North Sea, German Bight
51°N – 60°N
2°W – 9°E

9. Brief description of purpose of cruise:

Investigation of the summerly hydrographic situation, oxygen conditions, nutrients and organic pollutants

10. Names and dates of intended ports of call:

Aberdeen, United Kingdom
between 17th and 19th August 2007

11. Any special logistic requirements at ports of call:

none

Part B: DETAIL

1. Name of research ship: RV Pelagia

2. Cruise dates:

from 03rd August 2007
to 19th August 2007

3. Purpose of research and general operational methods:

Investigation of the summerly hydrographic situation of the North Sea;
CTD measurements and continuous Delphin-tracks (towed CTD-System);
Chlorophyll-fluorescens, nutrients and organic pollutants

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

See attached chart

5a. Type of samples required:

water , sediment

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

water samples by CTD-Rosette;
additional equipment of the CTD is an O₂- and a transmission sensor;
water samples with glass bottles;
sediment with grab;

6. Details of moored equipment:

none

7. Explosives:

No explosives.

8. Detail and reference of:

a. Any relevant previous/future cruises:

Cruise No 370 of RV Gauss; 2001, July
Cruise No 385 of RV Gauss; 2002, July
Cruise No 405 of RV Gauss; 2003, August
Cruise No 425 of RV Gauss; 2004, August
Cruise No 446 of RV Gauss; 2005, August
Cruise No 463 of RV Gauss; 2006, August

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

Cruise Report

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:

none

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:

T- and S-data within 1 or 2 years;
oxygen and nutrients within 6 months;
report of publication (DOD, ICES);

COASTAL STATE: United Kingdom

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	3-12	12-50	50-200
CTD-System with sample bottles, O ₂ - and transmission- sensors	Water column	No	No	No	Yes	Yes
Thermo- salinograph	5	No	No	No	Yes	Yes
towed CTD- System	max. 100	No	No	No	Yes	Yes

List of intended sampling stations during Pelagia cruise

See attached list

References

Pelagia 2007a - positions of intended stations

x	y	Station	Lot	CTD	Glass bottle	Grab
8.72	53.88	Medem		x	x	
8.11	54.00	3	-21	x		
6.42	54.00	7	-27	x		
4.83	54.00	8	-39	x	x	
3.00	54.00	9	-38	x		
4.00	53.00	10	-29	x		
4.33	52.50	11	-15	x	x	
3.73	52.00	12	-24	x	x	
2.86	51.70	13	-40	x	x	
2.00	52.00	14	-28	x	x	
2.50	52.50	15	-46	x		
1.67	53.33	16	-25	x		
1.00	54.00	17	-42	x	x	
0.00	55.00	18	-64	x		
2.00	55.00	19	-25	x		
4.00	55.00	20	-45	x		
5.00	55.00	21	-35	x		
6.25	55.00	22	-40	x		
7.58	55.00	23	-21	x		
8.00	55.00	24	-15	x		
8.25	55.00	25	-10	x		
7.72	56.00	26	-25	x	x	
6.00	56.00	27	-44	x		
5.00	56.00	28	-41	x		
3.00	56.00	29	-66	x	x	
2.00	56.00	30	-82	x		
1.00	56.00	31	-73	x		
0.00	56.00	32	-80	x		
-1.00	56.00	33	-62	x	x	
-1.00	57.00	34	-67	x		
1.33	57.00	35	-97	x	x	
3.50	57.00	36	-62	x	x	
5.00	57.00	37	-55	x		
6.00	57.00	38	-49	x		
8.00	57.00	39	-23	x	x	
8.00	57.80	40	-505	x	x	x
6.00	58.00	41	-299	x	x	
5.00	58.00	42	-122	x		
3.00	58.00	43	-71	x	x	
1.50	58.00	44	-100	x	x	
-1.00	58.00	45	-111	x	x	
-1.50	59.00	46	-75	x	x	
0.00	59.00	47	-129	x		
1.00	59.00	48	-119	x	x	
3.00	59.00	49	-135	x		
4.50	59.00	50	-230	x	x	
4.50	60.00	51	-257	x	x	
2.00	60.00	52	-97	x	x	
-0.50	60.00	53	-120	x	x	



