

NOTIFICATION OF PROPOSED RESEARCH CRUISE

PART A. GENERAL

1. NAME OF RESEARCH SHIP *FFS "Walther Herwig III"* CRUISE NO. *WH 279*
2. DATE OF CRUISE FROM *16.09.2005* TO *06.10.2005*
3. OPERATING AUTHORITY *Bundesanstalt für Landwirtschaft
und Ernährung, Referat 522
Palmaille 9, 22767 Hamburg*
4. OWNER (if different
from para. 3) *Telephone +49 40 38905171 / Telex 214763 bled / Fax +494038905128
Bundesrepublik Deutschland*
5. PARTICULARS OF SHIP
- | | |
|--|--|
| <u>NAME</u> | <i>FFS "Walther Herwig III"</i> |
| <u>NATIONALITY</u> | <i>German</i> |
| <u>OVERALL LENGTH (METRES)</u> | <i>64,50 metres</i> |
| <u>MAXIMUM DRAUGHT (METRES)</u> | <i>6.20 metres</i> |
| <u>NETT TONNAGE</u> | <i>2131 BRZ</i> |
| <u>PROPULSION</u> | <i>Steam Turbine / Diesel / <u>Diesel Electric</u></i> |
| <u>CALL SIGN</u> | <i>DBFR</i> |
| <u>REGISTERED PORT & NUMBER</u> (if registered fishing vessel) | |
6. CREW
- | | |
|-----------------------|-----------------------------|
| <u>NAME OF MASTER</u> | <i>Zimmermann or deputy</i> |
| <u>NUMBER OF CREW</u> | <i>21</i> |
7. SCIENTIFIC PERSONNEL
- | | |
|--------------------------------|---|
| <u>NAME AND ADDRESS OF</u> | <i>Dr. Horst Karl</i> |
| <u>SCIENTIST - IN - CHARGE</u> | <i>BFEL – Forschungsbereich Fischqualität
Palmaille 9
22767 Hamburg</i> |
| <u>Tel./FAX No.</u> | <i>+49 40 38905-114 +49 40 38905-262</i> |
| <u>NUMBER OF SCIENTISTS</u> | <i>12</i> |
8. GEOGRAPHICAL AREA IN WHICH SHIP WILL OPERATE (with reference in latitude and longitude):
60° N – 43° N, 15° W – 10° E /ICES IV b-c/ VII a-k/ VIII a,c,d
9. BRIEF DESCRIPTION OF PURPOSE OF CRUISE: *Quality investigations on fish and sampling for contaminant determination*
10. DATES AND NAMES OF INTENDED PORTS OF CALL:
CORK, IRELAND, 20/21.09. 2005 and 25.09. 2005 or 2.10.05
11. ANY SPECIAL REQUIREMENTS AT PORTS OF CALL: *None*

NOTIFICATION OF PROPOSED RESEARCH CRUISE

PART B. GENERAL

1. NAME OF RESEARCH SHIP *FFS Walther Herwig III* CRUISE NO: *WH*

2. DATES OF CRUISE FROM 16.09.2005 TO 06.10.2005

3. a) PURPOSE OF RESEARCH

Investigations of quality parameters during storage of fish and fillets, prevalence of nematodes, sampling of fish for analysis of organic trace substances and other compounds

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

Bottom and pelagic trawls, see attached description

4. ATTACH CHART showing, at the appropriate scale, the geographical area of the intended work, positions of the intended stations, tracks of survey lines, positions of moored equipment, areas to be fished

Variable stations of fishing depending on the occurrence of fish species required for investigations

5 a) TYPES OF SAMPLES REQUIRED e.g. Geological / Water / Plankton / Fish/Radionuclides.

All commercial fish species, e.g. herring, mackerel, whiting, saithe etc.

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, quantity of fish being retained on board)

Fishing: required quantities: 20 – 200 kg, depending on the species

All important fish species for human consumption

6. DETAILS OF MOORED EQUIPMENT: *none*

Dates: Laying Recovery Description Depth Latitude Longitude

None

7. ANY HAZARDOUS MATERIALS: (Chemicals, Explosives, Gases, Isotopes, etc.)
(Use separate sheet if necessary)

(a) TYPE AND TRADE NAME	<u>Solvents for analytical purposes</u>
(b) CHEMICAL CONTENT (& formula)	<u>Aceton, Ethanol, Isooctane</u>
(c) IMO IMDG CODE Reference & UN No.	<u>3,1/II UN 1090, 3,2/II UN1170/ 3,2/II UN</u>
(d) QUANTITY & METHOD OF STOWAGE ON BOARD	<u>each 2 l, chemicals laboratory</u>
(e) IF EXPLOSIVES give date (s) of detonation	<u>None</u>
- Method of detonation	<u></u>
- Position of detonation	<u></u>
- Frequency of detonation	<u></u>
- Depth of detonation	<u></u>
- Size of explosive charge in Kgs	<u></u>

8. DETAIL & REFERENCE OF:

a) ANY RELEVANT PREVIOUS / FUTURE CRUISES:

Cruise 264. Walther Herwig III 01.06.2004 – 21.06.2004

b) ANY PREVIOUSLY PUBLISHED RESEARCH DATE RELATING TO THE PROPOSED CRUISE.

H. Karl, U. Ruoff: Dioxins and dioxin-like PCBs in in fish in general and in particular from Baltic Sea. Organohalogen compounds 66, 1910-1916 (2004).

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

*Michael Gallagher,
BIM Project Co-ordinator
The Pier
Killybegs
Co. Donegal
Ireland*

+
10. STATE: Ireland

(a) WHETHER VISITS TO THE SHIP IN PORT BY COASTAL STATE
SCIENTISTS WILL BE ACCEPTABLE

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/DISEMBARCATION

NO

Two Irish scientists will participate from 20 th to 25 th of September,

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

Cruise summary report through official channels; English summary will be available about 4 weeks after the trip

COASTAL STATE *United Kingdom*

PORT CALL *none*

DATES:

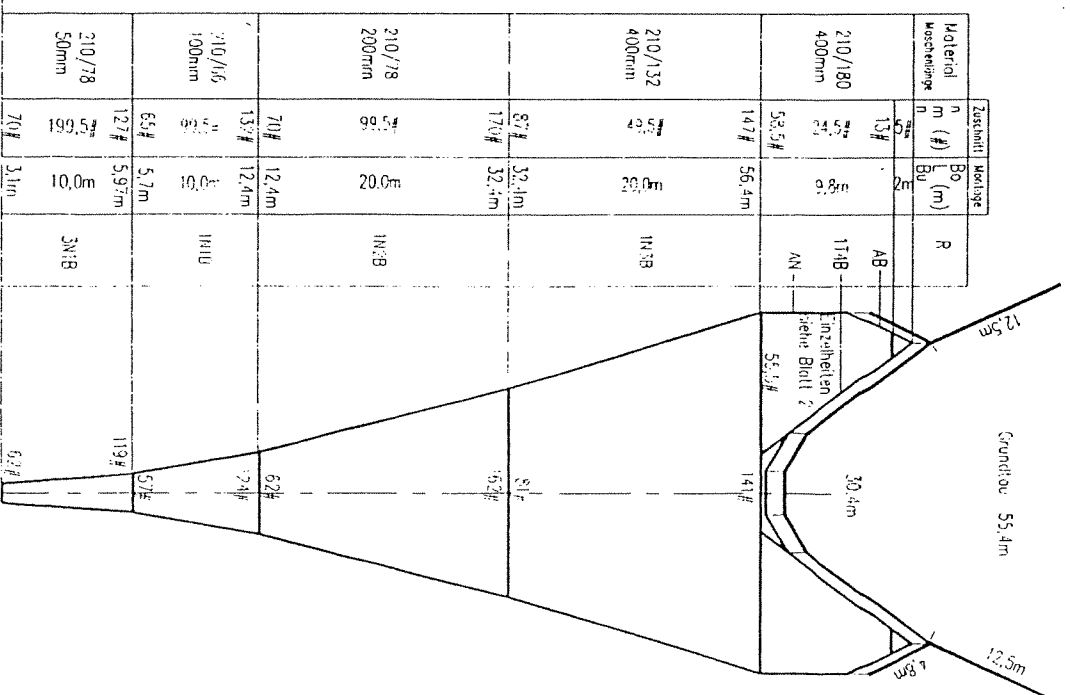
INDICATE „YES“ OR „NO“

LIST OF SCIENTIFIC WORK BY FUNCTION				Distance from coast		
				Within 12 NMS	Between 12-200 NM	(Continental shelf work only) Beyond 200 NM but within the continental margin
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			
Bottom trawl	no	yes	no	yes	yes	yes
Pelagic trawl	no	yes	no	yes	yes	yes

_____ Dated 7.02.05
(On behalf of the Principal Scientist)

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

100



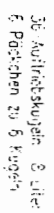
(Entsprechend 1025 Moschen $a=100\text{mm}$)

	Datum	Name
Bearb.	01.04.98	R. Giese
Gepr.		
Zust.	A	
Anforderung	Datum	Name
	06.07.98	

Bundesrechnungshof für Rheinland Institut für Wirtschaftsprüfung	Masstab	Blatt 1
	1 : 600	4 Bl.

PSN 205m
für FFS Walther Herwig III

Technical drawing of a lamp assembly. It shows a perspective view of a lamp with a cylindrical body and a conical shade. Labels indicate dimensions: 'Kette 37cm' (chain length), 'Kette 20cm' (chain length), and '11,5cm' (height). A label 'Kurzlampe im 1. Licht von oben' points to the lamp. A dashed line indicates the 'Kette 20cm' measurement.



Short link chain $\delta = 20$
19 Glieder + 2 Schlosser = 3,0m
- 15kV

29 Glieder + 1 Schluß

Mid link chain $d=16$

167 Glieder = 10,7m
54kg

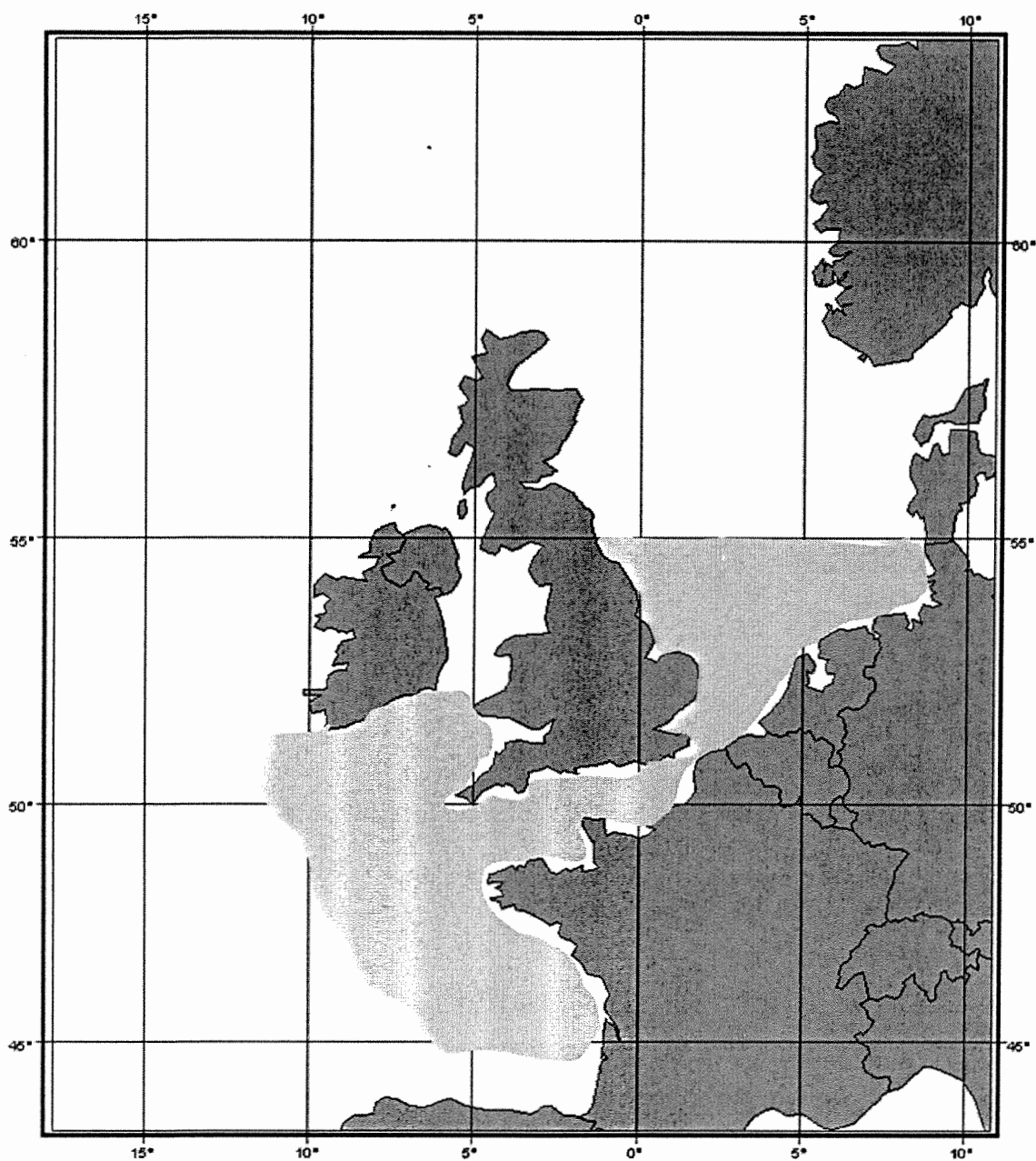
Short link chain $d=20$
96 Glieder + 2 Schösser = 6,0m
51 kg

Busanville

"Vergewicht": $2 \times (116\text{kg} + 25\text{kg}) = 284\text{kg}$
 Kullengrundlast: $2 \times 54\text{kg} + 51\text{kg} = 159\text{kg}$

Massenbeziehung: $\therefore 44,36 \text{ g} \quad (4,436 \text{ N})$

$$\Delta H_{\text{sub}} = 2.5 \text{ kJ mol}^{-1}$$
[illegible]



Area of investigation

cruise No. 279 W.H.III

Variable stations of fishing depending on occurrence of fish species