

25

A. GENERAL

1. Name of research ship FFS "Walther Herwig III" Cruise No. 301
2. Date of cruise From 14.06.2007 To 13.07.2007
3. Operating Authority Bundesanstalt für Landwirtschaft und Ernährung, Referat 522
Palmaille 9, 22767 Hamburg

Telephone +49 40 38905171 / Telex 214763 bled / Fax +494038905128
4. Owner (if different from para. 3) Bundesrepublik Deutschland
5. Particulars of ship

Name	<u>FFS "Walther Herwig III"</u>
Nationality	<u>Federal Republic of Germany</u>
Overall length (metres)	<u>64.50</u>
Maximum draught (metres)	<u>6.2</u>
Nett tonnage	<u>639 NRZ</u>
Method of propulsion e.g. Steam	<u>Turbine/Diesel/Diesel Electric</u>
Call sign	<u>DBFR</u>
Registered port & number (if registered fishing vessel)	
6. Crew

Name of Master	<u>H. D. Zimmermann or deputy</u>
Number of Crew	<u>21</u>
7. Scientific personnel

Name and Address of	<u>Dr. E. Bethke</u>
Scientist - in - Charge	<u>BFAFi - Institut für Fischereitechnik und Fischereiökonomie, Palmaille 9</u> <u>D 22767 Hamburg</u>
Tel./FAX No.	<u>+49 40 38905203</u> <u>+49 40 38905264</u>
Number of Scientists	<u>12</u>
8. Geographical area in which ship will operate (with reference in latitude and longitude):
Irmingier Sea; East, South and West off Greenland in EEZ, EEZ of Canada and international waters, 52°-64°N northern latitude, 20°-62°W western longitude
9. Brief description of purpose of cruise: *Pelagic trawl-acoustic survey targeting oceanic redfish*
10. Dates and names of intended ports of call: *None*
11. By special requirements at ports of call: *Possibility of embarkation of scientific observers in Bremerhaven, Germany*

B. DETAIL

1. Name of research ship	<u>FFS "Walther Herwig III"</u>	Cruise No.	<u>WH 301</u>
2. Dates of cruise	From <u>14.06.2007</u>	To	<u>13.07.2007</u>

3. Purpose of research and general operational methods

Pelagic trawling and acoustic measurements to assess the stock size of oceanic redfish. Oceanographic data collection during trawling by means of a net mounted sonde.

4. Please attach chart showing, at the appropriate scale, the geographical area of the intended work, the areas to be fished, positions of intended stations, tracks of survey lines, positions of moored / seabed equipment etc.

attached chart (Fig. 1) shows the survey area. A planning group meeting, specifying the cruise track in detail, takes place probably in Murmansk at the beginning of 2007.

5a. Types of samples required e.g. Geological / Water / Plankton /Fish. If fishing gear is to be used please indicate what fish stocks will be worked, the maximum quantity required of each species /stock and the quantity of fish to be retained on board.

Fish/Water

Redfish exclusive, of which only small scientific samples will be retained on board.

5b. Methods by which samples will be obtained (e.g. dredging / coring / drilling / fishing etc.).

Pelagic trawl fishing, trawling will be performed by a GLORIA-type pelagic trawl. Around 20 fishing stations at depth from 200 to 900 m are planned.

Water sampler.

6a. Details of moored equipment:

Dates:	<u>Laying</u>	<u>Recovery</u>	<u>Description</u>	<u>Latitude</u>	<u>Longitude</u>
--------	---------------	-----------------	--------------------	-----------------	------------------

None

6b. Full description of ALL fishing gear to be used (e.g. bottom trawl, mesh size, attachments etc.).

see attached drawing of the GLORIA-type trawl (Fig. 2a and 2b)

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

(a) Type and trade name	<u>Formaldehyde</u>
(b) Chemical content (& formula)	<u>CH₂O</u>
(c) IMO IMDG code (Reference & UN No.)	<u></u>
(d) Quantity & method of stowage on board	<u>20 l canister</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 detonation planned	<u></u>

8. Please set out details of:

(a) Any relevant previous / future cruises

International acoustic survey (Russia, Iceland, Germany, Norway) in June-July 1996, 1999, 2001, 2003 and 2005

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

(Attach separate sheet if necessary)

Magnússon, J.; V.J. Magnússon, Þ. Sigurðson, P. Reynisson, C. Hammer, E. Bethke, A. Pedchenko, E. Gavrilov, S. Melnikov, M. Antsilerov, V. Kiseleva. 1996. Report on the Joint Icelandic/German/Russian Acoustic Survey on Oceanic Redfish in the Irminger Sea and Adjacent Waters in June/July 1996. ICES CM 1996, G:8 Ref. H.:1-27

*Rätz, H.-J. 1998. On the German Fishery and Biological Characteristics of Oceanic Redfish (*Sebastes mentella*) Travin 1995-97. ICES North-Western Working Group 1996, working paper 9:1-12*

9. Names and addresses of scientists in coastal state with whom previous contact has been made.

Þorsteinn Sigurðsson Marine Research Institute, Division of Marine Stocks and Fisheries, P.O. Box 1390, Skúlagata 4, 121 Reykjavík, Iceland. Tel. +354 5 520240, Fax +354 5 623790 e-mail: steini@hafro.is

10. State:

(a) Whether <u>visits to the ship</u> in port by coastal state scientists will be acceptable	YES / NO
(b) Whether it will be acceptable to carry on board an observer for any part of the cruise	YES / NO

[If 'YES' please indicate possible dates and ports of

embarkation /disembarkation *14. June 2007 in Bremerhaven / 13. July 2007 in Bremerhaven*

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

If the report will not be available within 12 months of the cruise, please set out an explanation for the delay indicating when the report will be available.

About 4 weeks after the trip

Complete the following table
separate copy for each coastal state

Port call none

LIST OF SCIENTIFIC WORK BY FUNCTION				Distance from coast		
				Within 3 NM	Between 3-12 NM	Between 12 and 200
e.g. Magnetometry Gravity Diving Seismics Bathymetry Seabed sampling Trawling Echo sounding Water sampling U/W TV Moored instruments Towed instruments	Water Column	Fisheries Research within Fishing Limits	Research concerning Continental Shelf out to Coastal State 's margin			
<i>Trawling</i>	<i>50</i>	<i>50</i>	<i>50</i>	<i>no</i>	<i>10</i>	<i>40</i>
<i>Water samples</i>	<i>yes</i>	<i>yes</i>	<i>yes</i>	<i>no</i>	<i>yes</i>	<i>yes</i>
<i>Echo sounding</i>	<i>yes</i>	<i>yes</i>	<i>no</i>	<i>no</i>	<i>yes</i>	<i>yes</i>

Er. E. M. M.

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

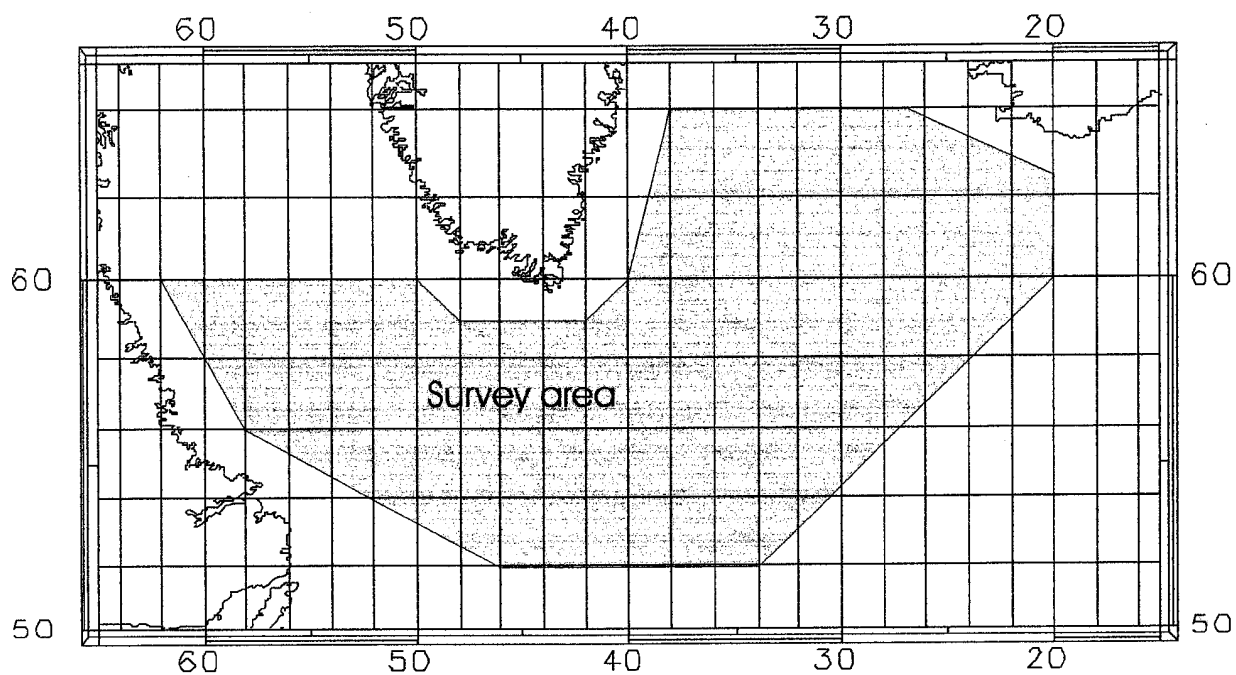


Fig. 1 Survey area of international trawl-acoustic redfish survey June/July 2007.

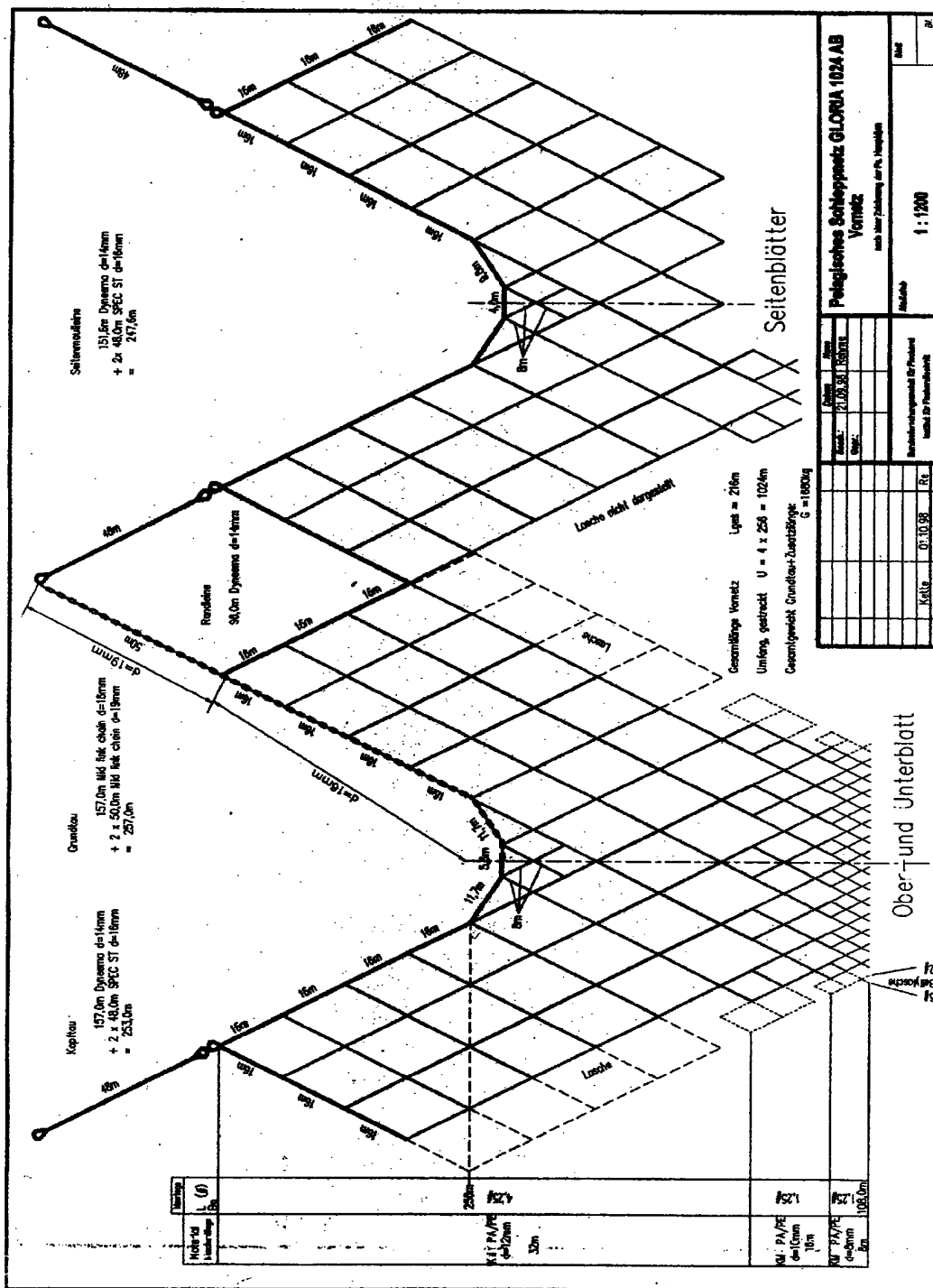


Fig. 2a. Pelagic Gloria-type 1024 pelagic trawl. Front part.

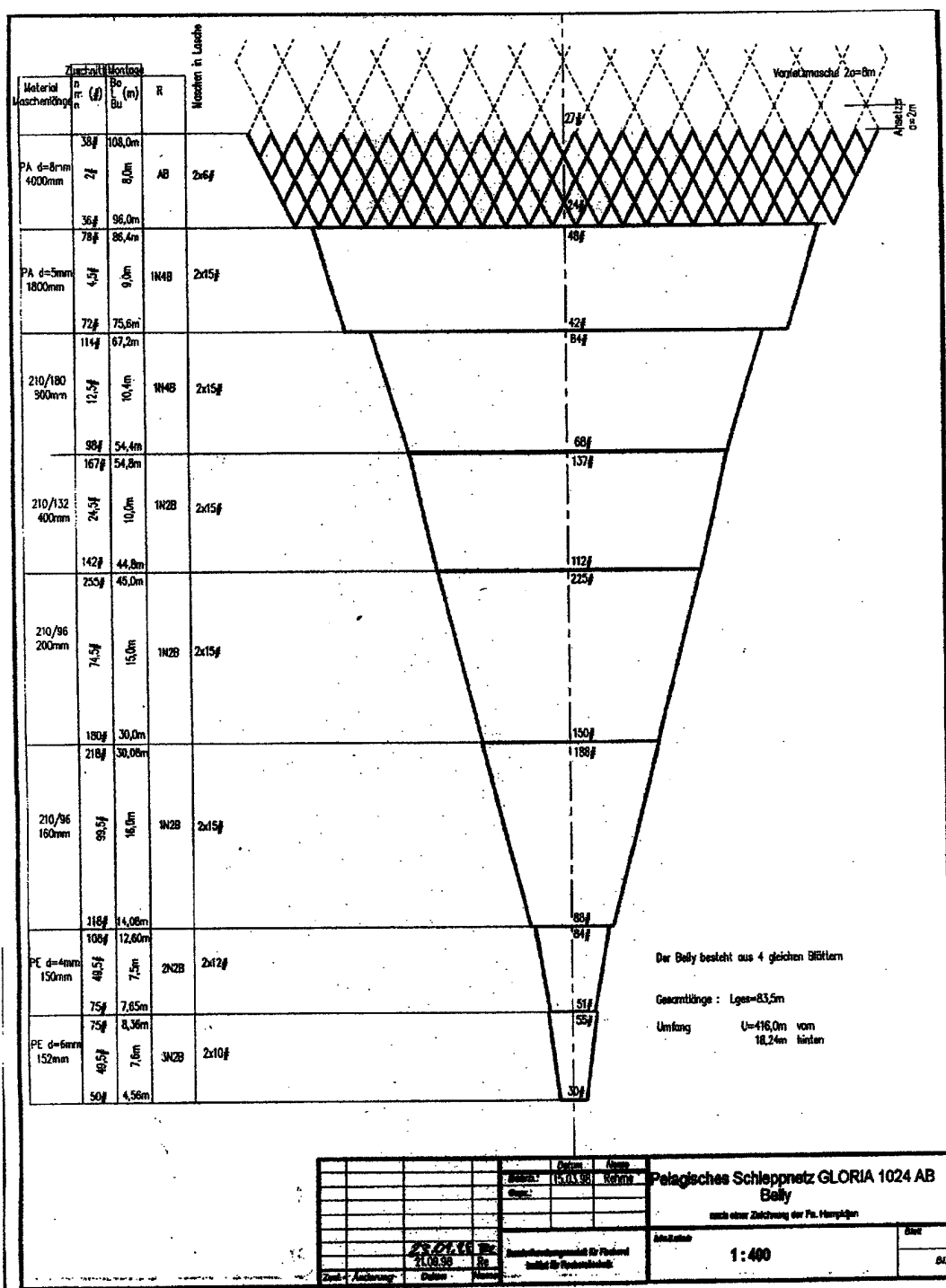


Fig. 2b. Pelagic Gloria-type 1024 pelagic trawl. Back part.