

A. GENERAL

1. Name of research ship FFS "Walther Herwig III" Cruise No. 323
 2. Date of cruise From 04.06.2009 To 06.07.2009

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 FFS "Walther Herwig III"
 Nationality Federal Republic of Germany
 Overall length (metres) 64.50
 Maximum draught (metres) 6.2
 Nett tonnage 639 NRZ
 Method of propulsion e.g. Steam Turbine/Diesel/Diesel Electric
 Call sign DBFR

Registered port & number (if registered fishing vessel)

6. Crew
 Name of Master H. O. Janßen or deputy
 Number of Crew 21

7. Scientific personnel
 Name and Address of Dr. E. Bethke
 Scientist - in - Charge Institute of Sea Fisheries
 Palmaille 9
 D 22767 Hamburg

Tel./FAX No. +49 40 38905203 +49 40 38905264

Number of Scientists 12

8. Geographical area in which ship will operate (with reference in latitude and longitude):
Irminger 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 323</u>
2. Dates of cruise	From <u>04.06.2009</u>	To	<u>06.07.2009</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 Copenhagen at the beginning of 2009.

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>
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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 Formaldehyde
- (b) Chemical content (& formula) CH₂O
- (c) IMO IMDG code (Reference & UN No.) _____
- (d) Quantity & method of stowage on board 20 l canister
- (e) If explosives give date (s) of detonation None
- Method of detonation _____
- Position of detonation _____
- Frequency of detonation _____
- Depth of detonation _____
- Size of detonation planned _____

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, 2005 and 2007

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

Magnússon, J.; V.J. Magnússon, Þ. Sigurðsson, 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 visits to the ship 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 *04. June 2009 in Bremerhaven / 06. July 2009 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

SCIENTIFIC EQUIPMENT

Coastal State Iceland

Complete the following table
separate copy for each coastal state

Port call none

Indicate „yes“ or „no“ other than for fishing gear when the total hours of fishing in each zone should indicated

LIST OF 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	Fisheries Research within Fishing Limits	Research concerning Continental Shelf out to Coastal State 's margin	Distance from coast		
				Within 3 NM	Between 3-12 NM	Between 12 and 200
<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>

E. E. E.

(On behalf of the Principal Scientist) _____ Dated 23.09.2008

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

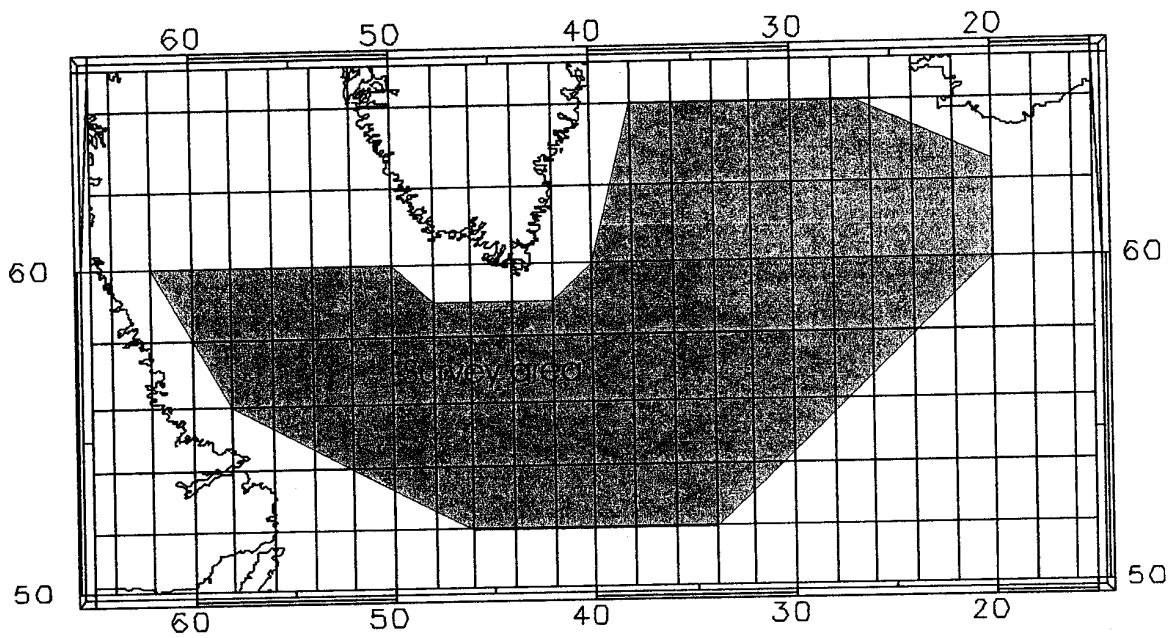


Fig. 1 Survey area of international trawl-acoustic redfish survey June/July 2009.

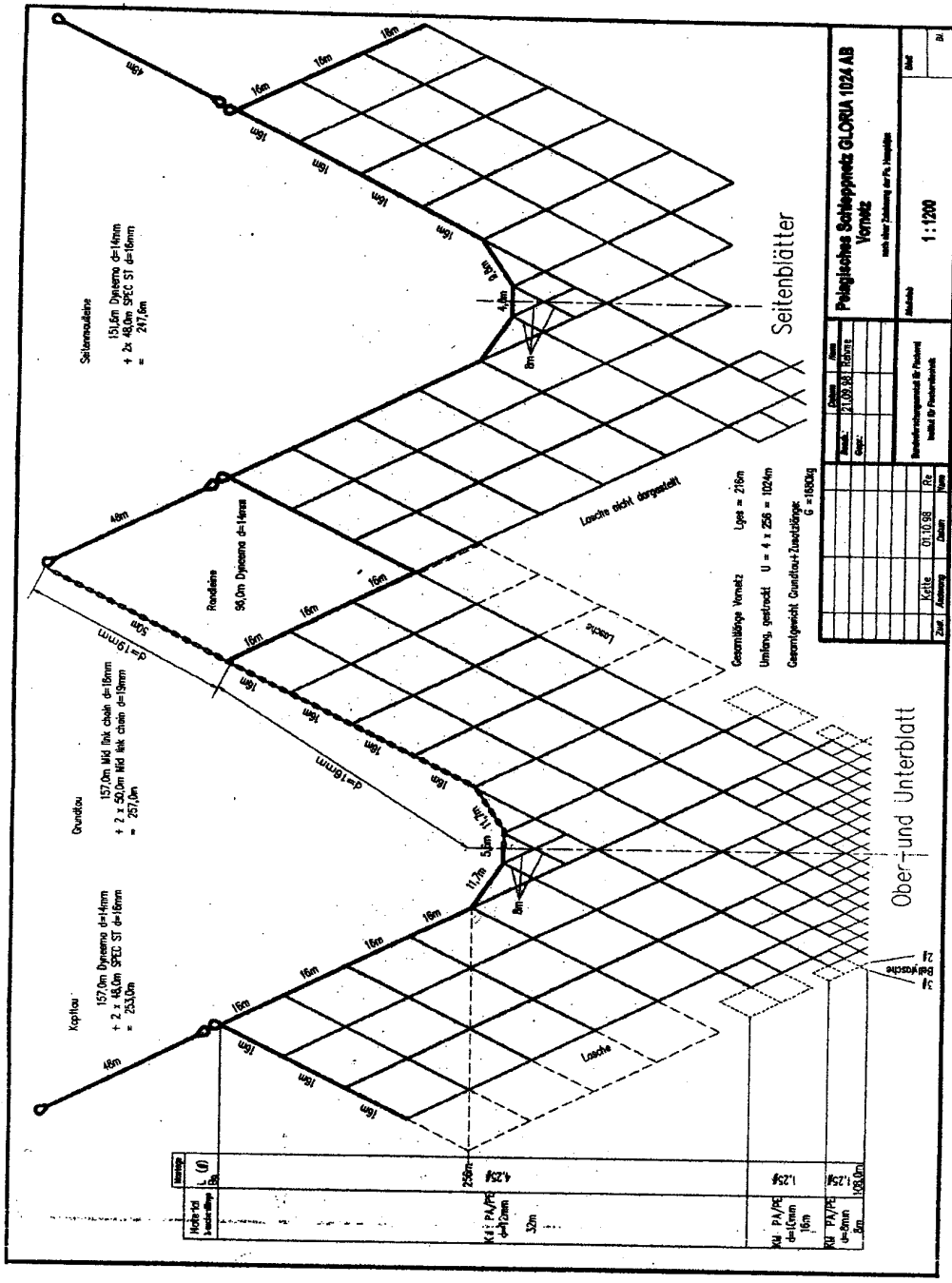


Fig. 2a. Pelagic Gloria-type 1024 pelagic trawl. Front part.

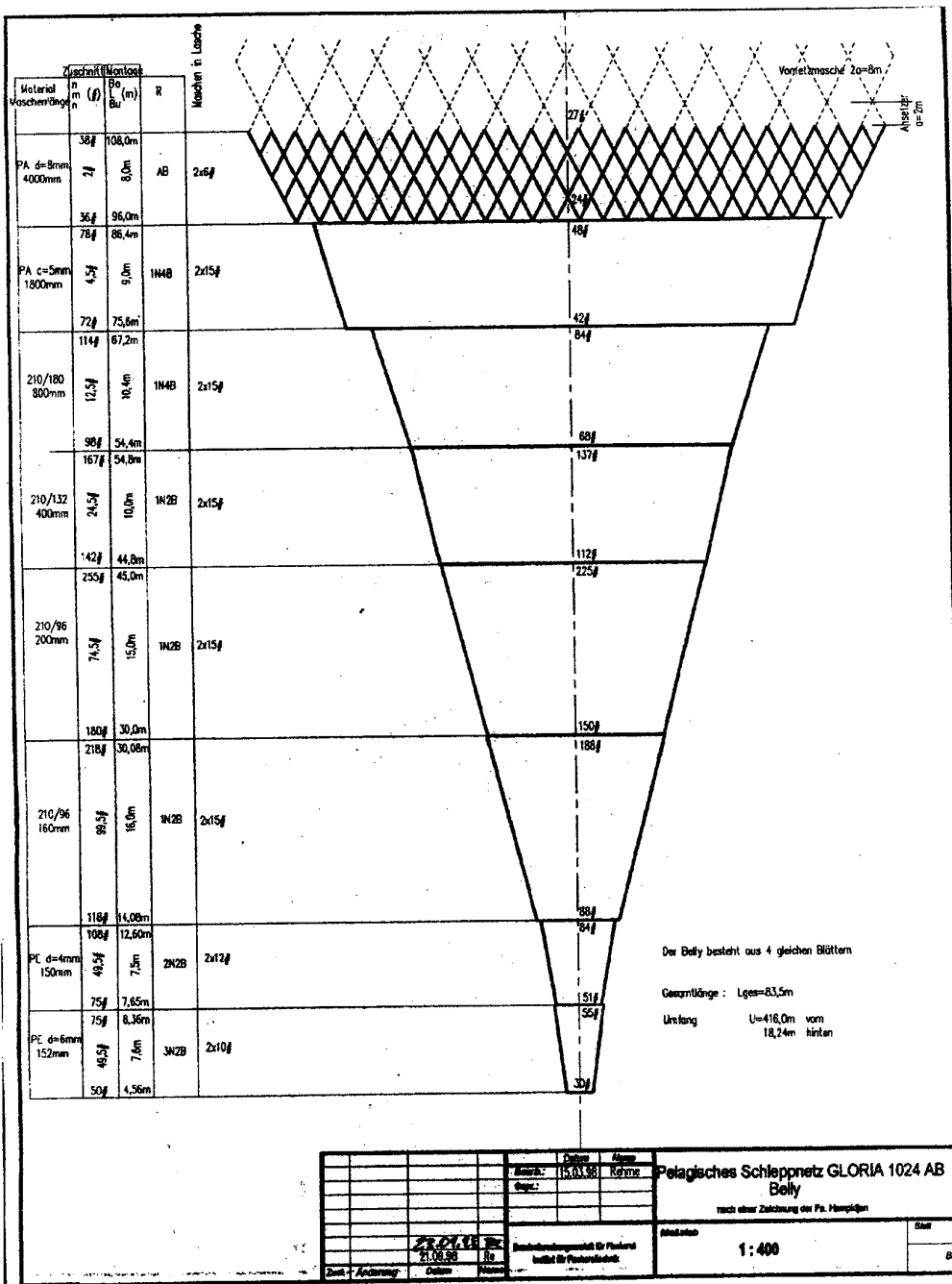


Fig. 2b. Pelagic Gloria-type 1024 pelagic trawl. Back part.