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NOTIFICATION OF PROPOSED RESEARCH CRUISE

PART A. GENERAL

1. NAME OF RESEARCH SHIP *FFS "Walther Herwig III"* CRUISE NO. *WH 319*

2. DATE OF CRUISE FROM *21.01.2009* TO *19.02.2009*

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 *German*

OVERALL LENGTH (METRES) *64.50 metres*

MAXIMUM DRAUGHT (METRES) *6.20 metres*

NETT TONNAGE *2131 BRZ*

PROPULSION *Steam Turbine / Diesel / Diesel Electric*

CALL SIGN *DBFR*

REGISTERED PORT & NUMBER (if registered fishing vessel)

6. CREW NAME OF MASTER *H.-O. Janssen or J. Vandrei*

NUMBER OF CREW *22*

7. SCIENTIFIC PERSONNEL NAME AND ADDRESS OF *Dr. Gerd Wegner*

SCIENTIST - IN - CHARGE *vTI - Institut für Seefischerei
Palmaille 9
22767 Hamburg*

Tel./FAX No. *+49 40 38905-224* *+49 40 38905-263*

NUMBER OF SCIENTISTS *10*

8. GEOGRAPHICAL AREA IN WHICH SHIP WILL OPERATE (with reference in latitude and longitude):
North Sea (see attached map, please)

9. BRIEF DESCRIPTION OF PURPOSE OF CRUISE: *International Bottom Trawl Survey 2009(I) of ICES*

10. DATES AND NAMES OF INTENDED PORTS OF CALL: *Aberdeen (UK) or Bergen (Norw.) depending on the
weather situation; between 03. and 07.02.2009*

11. ANY SPECIAL REQUIREMENTS AT PORTS OF CALL: *No (mid cruise break)*

NOTIFICATION OF PROPOSED RESEARCH CRUISE

PART B. GENERAL

1. NAME OF RESEARCH SHIP *FFS Walther Herwig III* CRUISE NO: *WH 198*
2. DATES OF CRUISE *FROM 21.01.2009* *TO 19.02.2009*

3. a) PURPOSE OF RESEARCH

To take part in the ICES coordinated International Bottom Trawl Survey (IBTS)2009(I) in the North Sea.

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

- 1. Bottom trawling (net: Grande Overture Vertical (GOV), standard net approved by ICES, codend 10 mm)*
- 2. Biochemical investigations*
- 3. Plankton investigations*
- 4. Hydrographic Investigations*

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

North Sea from 54° N to 62° N, especially in those squares allocated by ICES (see attached map, please)

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

Fish-, plankton-, water samples

- 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)

All fish stocks being worked on according to the ICES manual. No fish is retained on board except scientific samples. Small amounts of fish for direct consumption on board and/or some homepacks for the crew.

6. DETAILS OF MOORED EQUIPMENT: *none*

Dates:	<u>Laying</u>	<u>Recovery</u>	<u>Description</u>	<u>Depth</u>	<u>Latitude</u>	<u>Longitude</u>
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None

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

(a) TYPE AND TRADE NAME	<u>None</u>
(b) CHEMICAL CONTENT (& formula)	<u>None</u>
(c) IMO IMDG CODE Reference & UN No.	<u>None</u>
(d) QUANTITY & METHOD OF STOWAGE ON BOARD	<u>None</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 is part of a standard series coordinated by ICES since the middle of the 1950's

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

(Attach separate sheet if necessary)

All data are stored and published in the frame of ICES

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.

Denmark: P. Degnbol, Difmar, Hirtshals; P. Munk, DIFR, Charlottenlund
UK-England: B. Harley, MAFF, Lowestoft
UK-Scotland: K. A. Coull, MARLAB, Aberdeen
The Netherlands: R. ter Hofstede, IMARES, IJmuiden
Norway: O.M. Smedstad, IMR, Bergen-Nordnes

10. STATE:

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

YES, please

(b) PARTICIPATION OF AN OBSERVER FROM THE COASTAL STATE FOR ANY PART OF THE CRUISE TOGETHER WITH THE DATES AND THE PORTS FOR EMBARKATION/DISEMBARKATION

No Problem. Em-/disembarkation by direct arrangement with the chief scientist, well in advance (Bremerhaven, 21.01.2009; Aberdeen (UK) or Bergen (Norw.), 03.-07.02.2009; Bremerhaven, 19.02.2009)

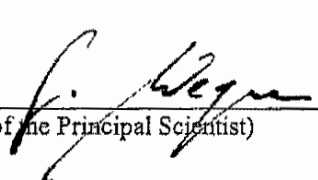
c) WHEN RESEARCH DATA FROM THE INTENDED CRUISE IS LIKELY TO BE MADE AVAILABLE TO THE COASTAL STATE AND BY WHAT MEANS

- 1. Cruise summary report through official channels; English summary will be available about 4 weeks after the trip*
- 2. Short report latest at the end of April 2009*
- 3. ICES Council Meeting Report, Sept./Oct. 2009*

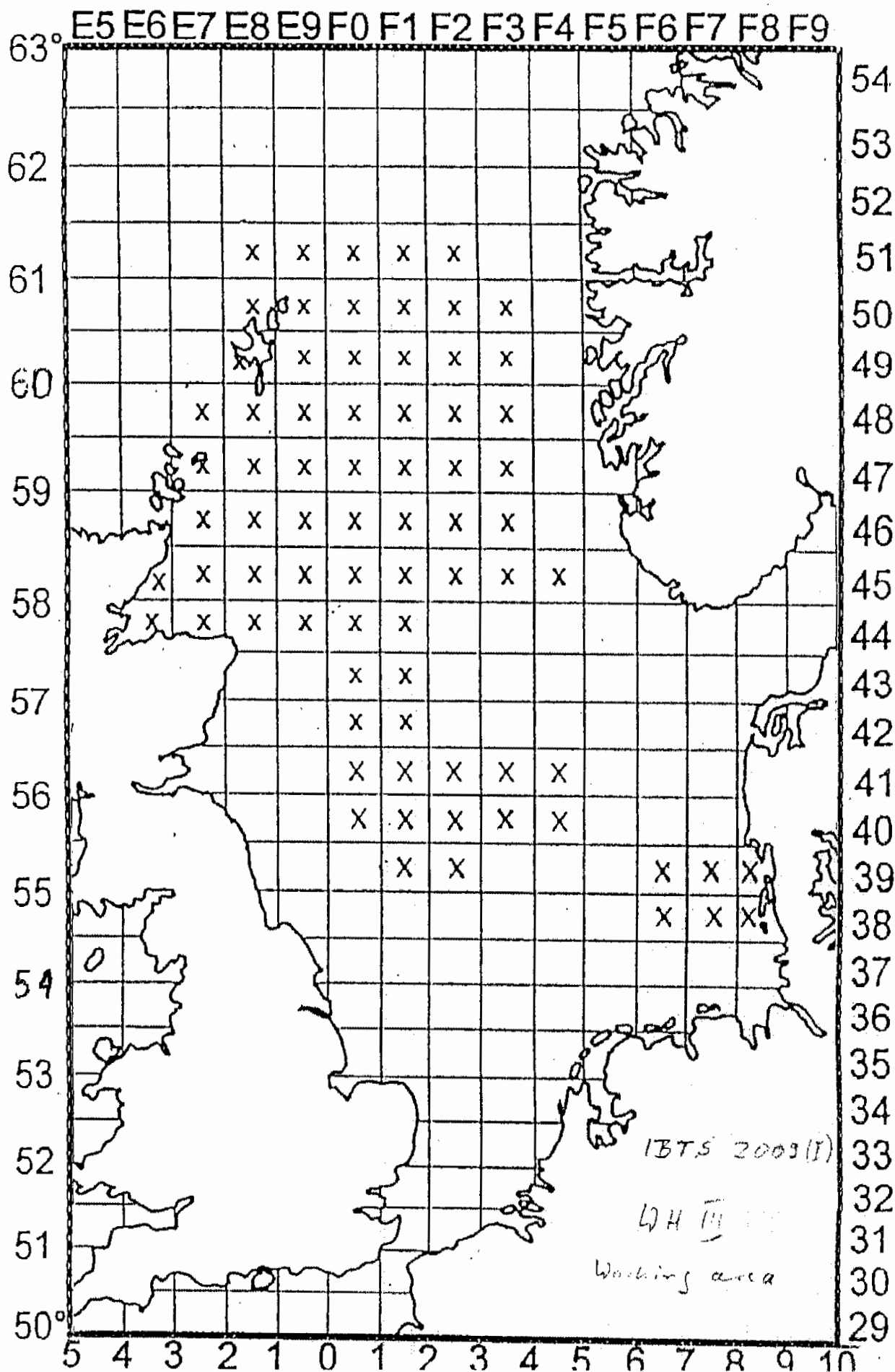
PART-C: SCIENTIFIC EQUIPMENT**COASTAL STATE** *United Kingdom*COMPLETE THE FOLLOWING TABLE
SEPARATE COPY FOR EACH COASTAL STATE**PORT CALL** *Aberdeen or Bergen***DATES:** *between 03.02.08
and 07.02.09*

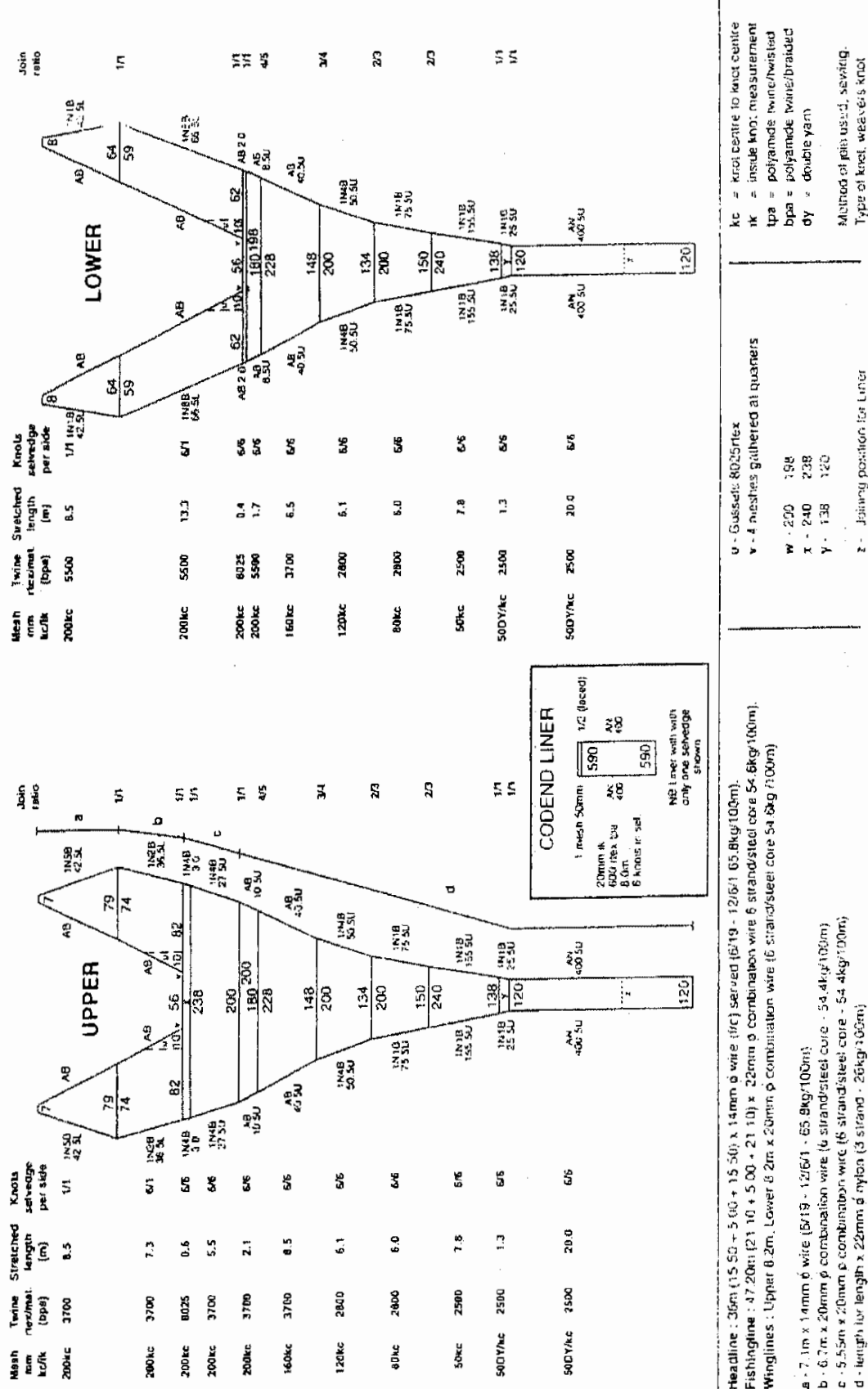
INDICATE „YES“ OR „NO“

<u>LIST OF SCIENTIFIC WORK BY FUNCTION</u> e.g. Magnetometry Gravity,Diving Seismics Bathymetry Seabed sampling Trawling Echo sounding Water sampling U / W TV Moored instruments Towed instruments				Distance from coast		
				Within 12 NMS	Between 12-200 NM	(Continental shelf work only) Beyond 200 NM but within the continental margin
<i>Echo sounding</i>	<i>yes</i>	<i>yes</i>	<i>no</i>	<i>yes</i>	<i>yes</i>	<i>no</i>
<i>Trawling</i>	<i>yes</i>	<i>yes</i>	<i>no</i>	<i>yes</i>	<i>yes</i>	<i>no</i>
<i>Ichthyoplankton</i>	<i>yes</i>	<i>yes</i>	<i>no</i>	<i>yes</i>	<i>yes</i>	<i>no</i>
<i>CTD profiling</i>	<i>yes</i>	<i>yes</i>	<i>no</i>	<i>yes</i>	<i>yes</i>	<i>no</i>
<i>Water sampling</i>	<i>yes</i>	<i>yes</i>	<i>no</i>	<i>yes</i>	<i>yes</i>	<i>no</i>


 (On behalf of the Principal Scientist)
Dated 30.06.2008

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

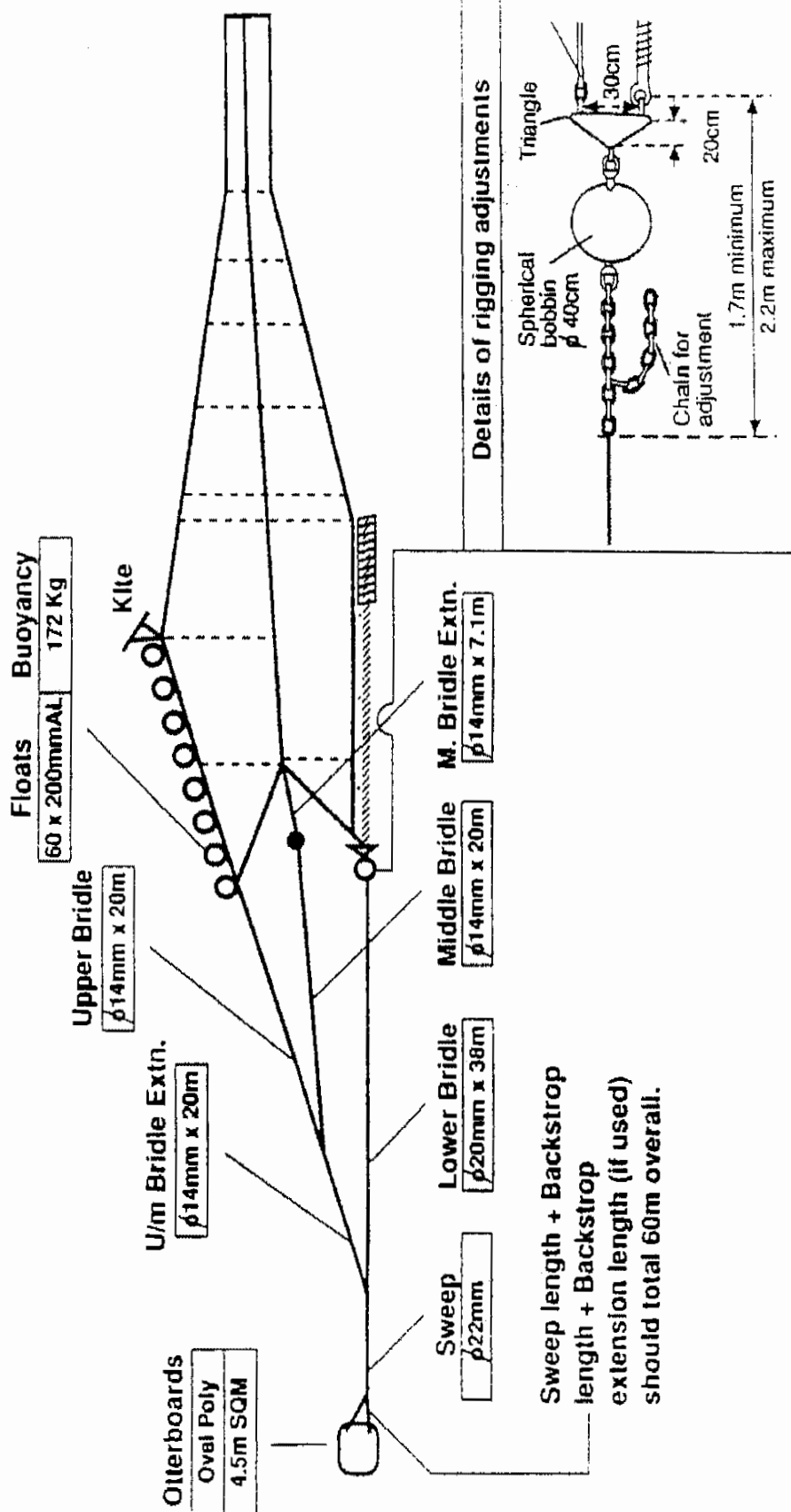




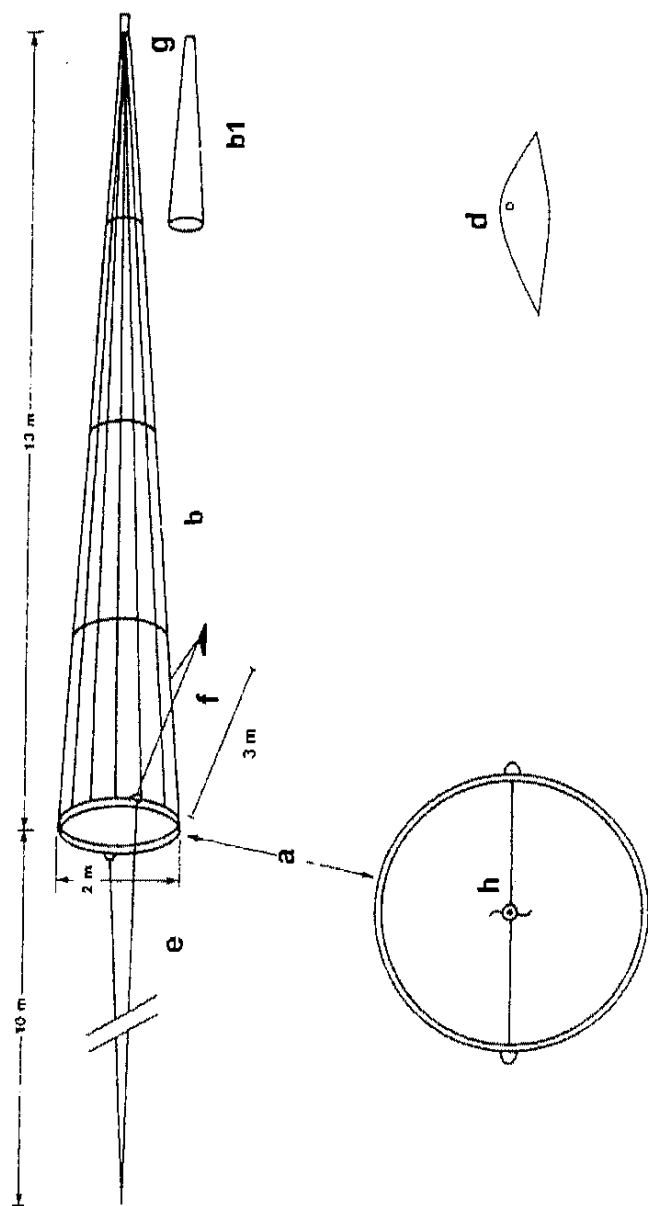
NOTE TO NETMAKERS

The numbers of meshes shown for netting panels within the HCT include salvageage meshes. Five meshes (six knots) per salvageage must be added where indicated. Conversely to obtain panel depths one row (12 meshes) must be subtracted from each panel as the joining row is included in the number of meshes deep. The total numbers of meshes (width and depth) for each individual panel are set out in GQ7, GQ8, GQ9 and GQ10. The numbers of meshes shown for netting panels within the HCT include salvageage meshes. Five meshes (six knots) per salvageage must be added where indicated. Conversely to obtain panel depths one row (12 meshes) must be subtracted from each panel as the joining row is included in the number of meshes deep. The total numbers of meshes (width and depth) for each individual panel are set out in GQ7, GQ8, GQ9 and GQ10. The numbers of meshes shown for netting panels within the HCT include salvageage meshes. Five meshes (six knots) per salvageage must be added where indicated. Conversely to obtain panel depths one row (12 meshes) must be subtracted from each panel as the joining row is included in the number of meshes deep. The total numbers of meshes (width and depth) for each individual panel are set out in GQ7, GQ8, GQ9 and GQ10.

GOV 36/47 GROUND FISH SURVEY TRAWL : Overall rigging diagram



Rigging of the 36/47 GOV Trawl



Construction and rigging of the MIK trawl. Letters refer to description in the text.