

NOTIFICATION OF PROPOSED RESEARCH CRUISE

PART B. GENERAL

1. NAME OF RESEARCH SHIP *FFS Walther Herwig III* CRUISE NO: *WH 308*
2. DATES OF CRUISE *FROM 17.01.2008* *TO 16.02.2008*

3. a) PURPOSE OF RESEARCH

To take part in the ICES coordinated International Bottom Trawl Survey (IBTS) 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 (se 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: Laying Recovery Description Depth Latitude Longitude

None

PART-C: SCIENTIFIC EQUIPMENT

COASTAL STATE *United Kingdom*

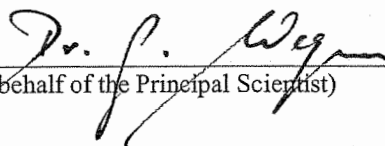
COMPLETE THE FOLLOWING TABLE
SEPARATE COPY FOR EACH COASTAL STATE

PORT CALL *Aberdeen (UK)*

DATES: ~30 h. during. 01. to 04.02.2008

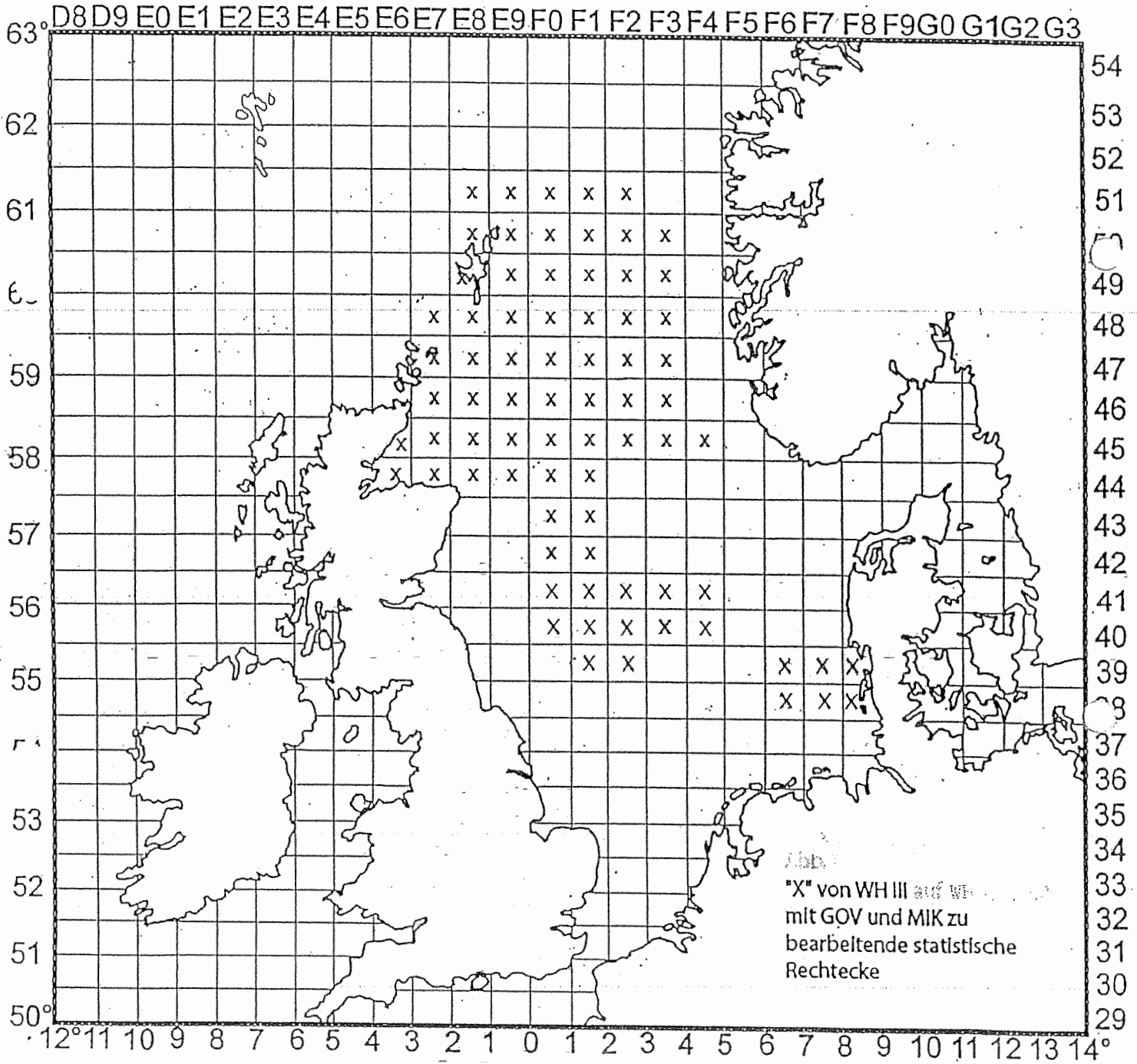
INDICATE „YES“ OR „NO“

<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	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	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>

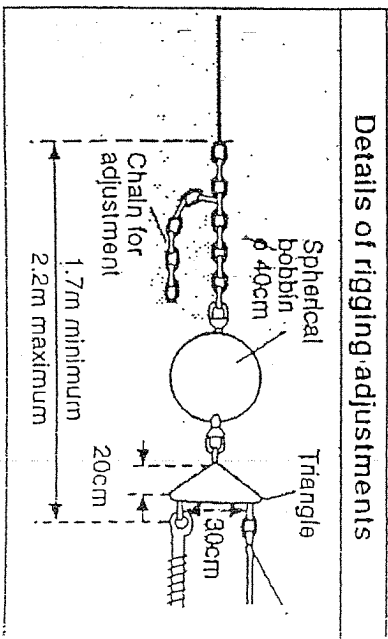
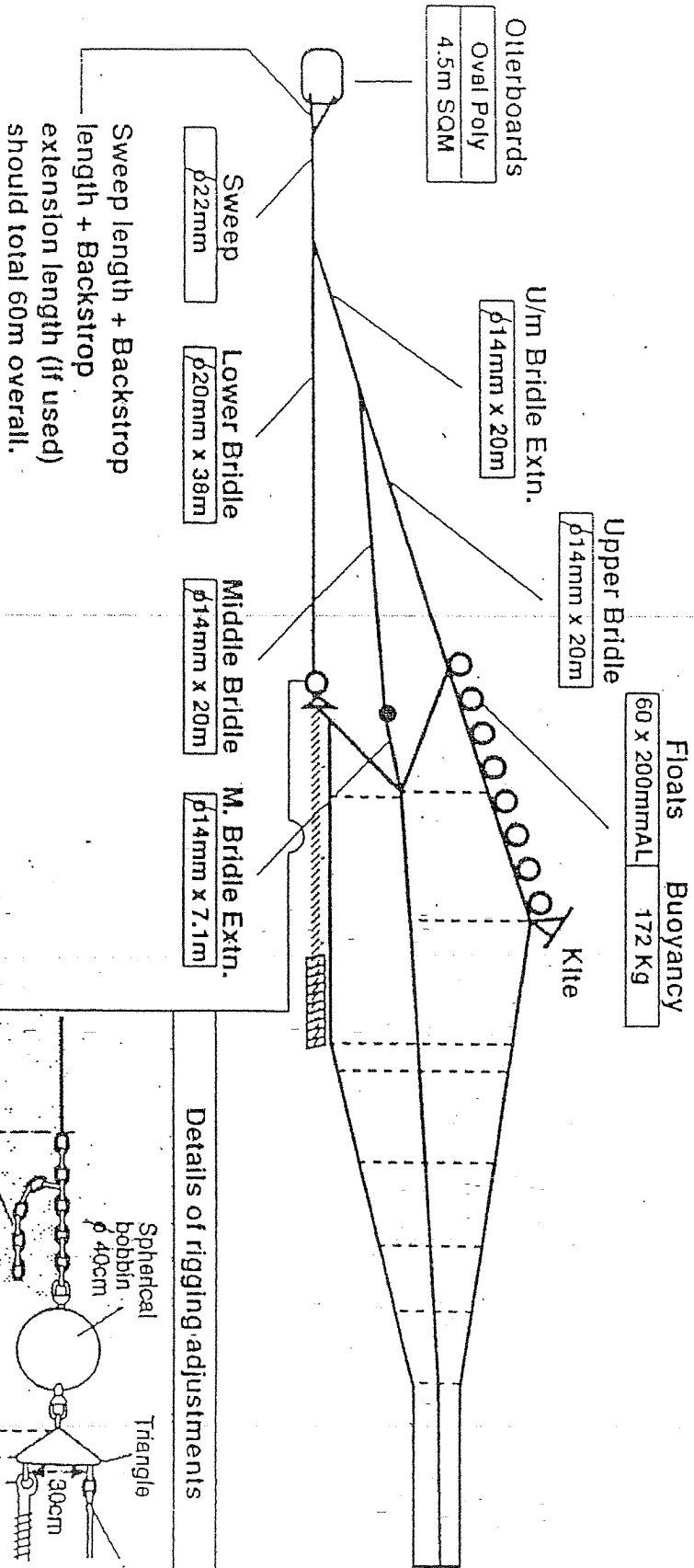

(On behalf of the Principal Scientist)

Dated 04.07.2007

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

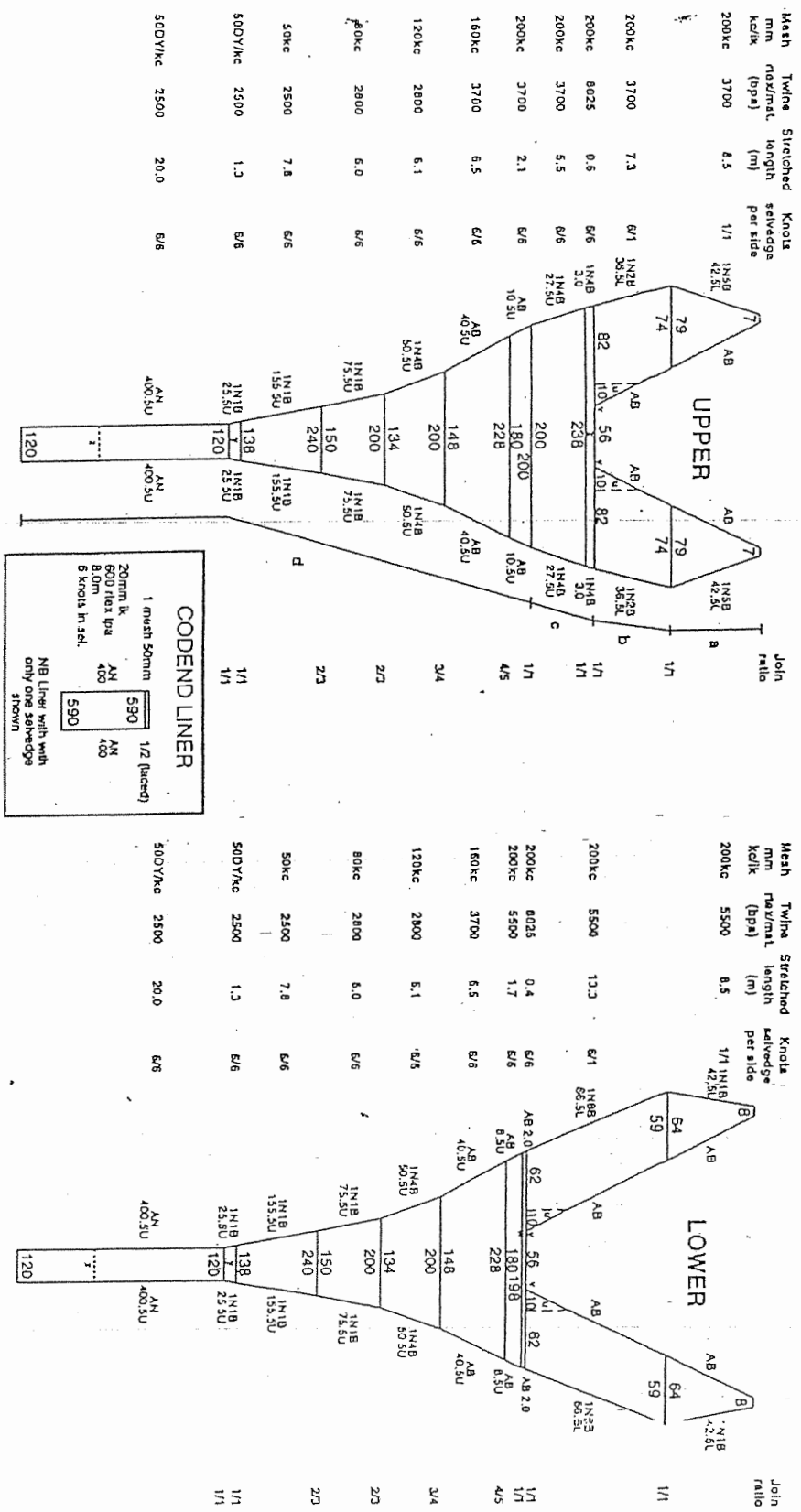


GOV 36/47 GROUND FISH SURVEY TRAWL : Overall rigging diagram



Construction of the 36/47 GOV Trawl (adapted from drawings of the Institute des Peches Maritimes, Boulogne/Mer)

Construction of the 36/47 GOV Trawl



Headline : 36m (15.50 + 5.00 + 15.50) x 14mm ϕ wire (I/C) served (6/19 - 12/6/1 65.8kg/100m).

Fishingline : 47.20m (21.10 + 5.00 + 21.10) x 22mm ϕ combination wire 6 strand/steel core 54.6kg/100m).

Wings : Upper 8.2m, Lower 8.2m x 20mm ϕ combination wire (6 strand/steel core 54.6kg/100m)

a - 7.1m x 14mm ϕ wire (6/19 - 12/6/1 - 65.8kg/100m)

b - 6.7m x 20mm ϕ combination wire (6 strand/steel core - 54.4kg/100m)

c - 5.55m x 20mm ϕ combination wire (6 strand/steel core - 54.4kg/100m)

d - length for length x 22mm ϕ nylon (3 strand - 26kg/100m)

NOTE TO NETMAKERS

The numbers of meshes shown for nailing panel widths do NOT include selvage meshes. Five meshes (six knots) per selvage must be added where indicated. Conversely to obtain panel depths one row (1/2 mesh) must be subtracted from each panel as the joining row is included in the number of meshes (width and depth) for each individual panel are set out in GOV 36/47 Groundfish Survey Trawl Checklist (Page 2 of 5)

CODEND LINER

1 mesh 50mm
20mm lk
500 flex ipa
8.0m
6 knots in sel.

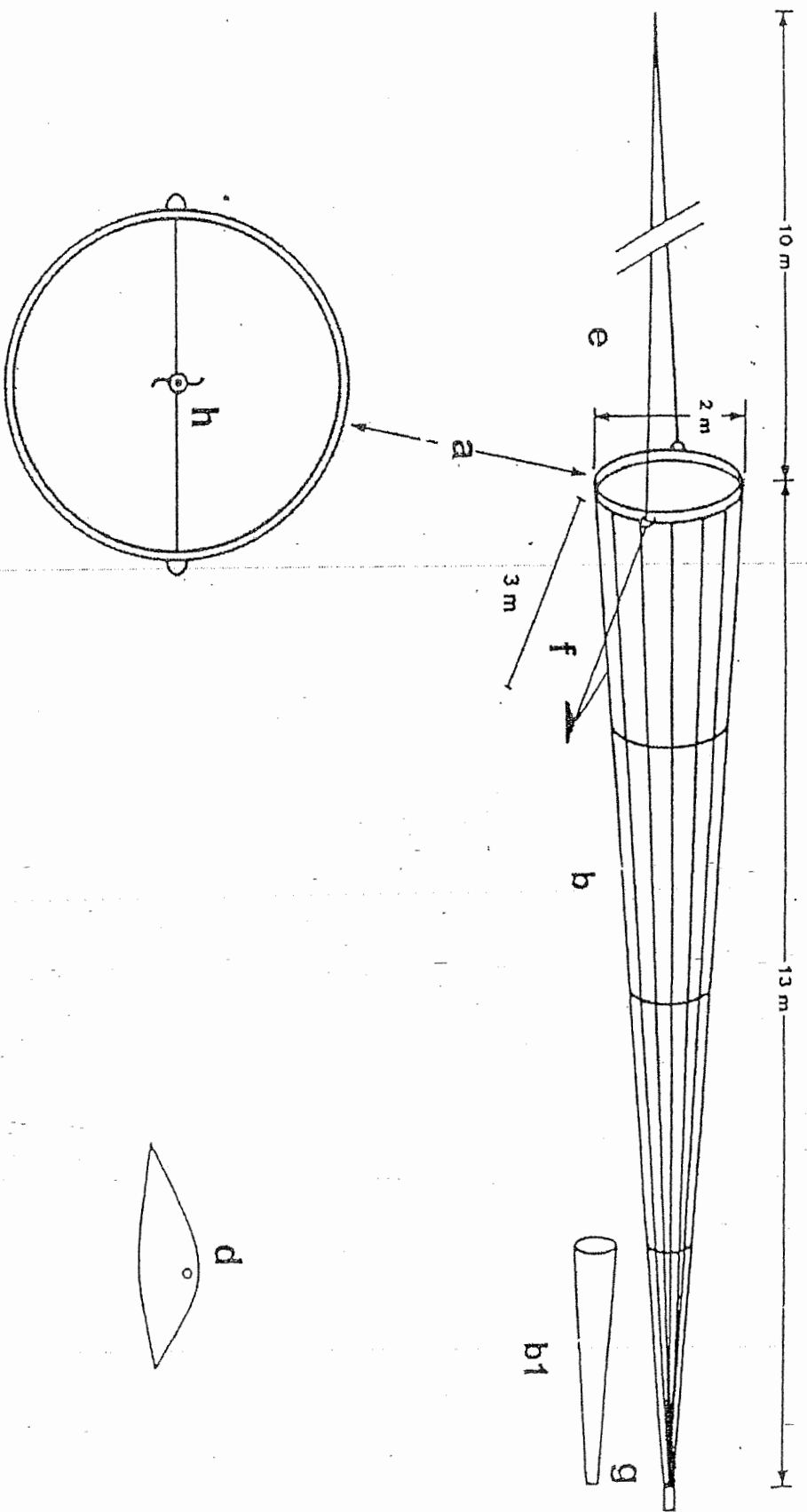
590
1/2 (placed)
AN
400

AB Liner with only one selvage shown

u - Gusses 8025flex
v - 4 meshes gathered at quarters
w - 200 198
x - 240 238
y - 138 120
z - Joining position for Liner

kc = knot centre to knot centre
lk = inside knot measurement
ipa = polyamide twine/twisted
bpa = polyamide twine/braided
dy = double yarn

Method of join used, sewing.
Type of knot, weavers knot.



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