

UV

NOTIFICATION OF PROPOSED RESEARCH CRUISE

PART A. GENERAL

1. NAME OF RESEARCH SHIP *FFS "Walther Herwig III"* CRUISE NO. *WH 351*

2. DATE OF CRUISE FROM *23.01.2012* TO *03.03.2012*

3. OPERATING AUTHORITY *Bundesanstalt für Landwirtschaft und Ernährung, Referat 524
Haubachstr. 86, 22765 Hamburg*

Telephone +49 40 306860550 / Telex 214763 bled

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. Matthias Kloppmann*

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

e-mail: *matthias.kloppmann@vti.bund.de*
Tel./FAX No. *+49 40 38905-196 / +49 40 38905-263*

NUMBER OF SCIENTISTS *11*

8. GEOGRAPHICAL AREA IN WHICH SHIP WILL OPERATE (with reference in latitude and longitude):

Entire North Sea between 54° N to 62° N, particularly in those rectangles assigned to Germany by ICES (see attached map)

9. BRIEF DESCRIPTION OF PURPOSE OF CRUISE: *International Bottom Trawl Survey 2012 Q1*

10. DATES AND NAMES OF INTENDED PORTS OF CALL: *Aberdeen or Lerwick (Shetlands); 36 h in the time interval between 07. and 14.02.2012*

11. ANY SPECIAL REQUIREMENTS AT PORTS OF CALL: *None (cruise mid-term break)*

NOTIFICATION OF PROPOSED RESEARCH CRUISE

PART B. GENERAL

1. NAME OF RESEARCH SHIP *FFS Walther Herwig III* CRUISE NO: *WH 351*
2. DATES OF CRUISE *FROM 23.01.2012* *TO 03.03.2012*

3. a) PURPOSE OF RESEARCH

Participation in the ICES coordinated International Bottom Trawl Survey (IBTS) 2012 Q1 in the North Sea, and participation in a Norwegian research program on saithe biology.

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 20 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

Entire North Sea between 54° N to 62° N, particularly in those rectangles assigned to Germany by ICES (see attached map)

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)

- *Plankton Net Tows*
- *CTD casts*
- *Water bottle samples*
- *Fishing:*

All North Sea fish stocks are being worked on according to the ICES manual. No fish is retained on board except for scientific samples.

Small amounts of fish are kept for direct consumption on board and limited amounts (max 4 kg/person) for crew's home 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 None
- (b) CHEMICAL CONTENT (& formula) None
- (c) IMO IMDG CODE Reference & UN No. None
- (d) QUANTITY & METHOD OF STOWAGE ON BOARD None
- (e) IF EXPLOSIVES give date (s) of detonation None
- Method of detonation _____
 - Position of detonation _____
 - Frequency of detonation _____
 - Depth of detonation _____
 - Size of explosive charge in Kgs _____

8. DETAIL & REFERENCE OF:

a) ANY RELEVANT PREVIOUS / FUTURE CRUISES:

Cruise is part of a standard series coordinated by ICES since mid-1960's

b) ANY PREVIOUSLY PUBLISHED RESEARCH DATA RELATING TO THE PROPOSED CRUISE.
(Attach separate sheet if necessary)

All data are stored at ICES DATRAS and published in the framework of reports of the respective ICES working group: e.g. ICES 2011: Report of the International Bottom Trawl Survey Working Group (IBTSWG), ICES CM 2011/SSGESST:06

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.

UK-England: *Brian Harley, CEFAS, Lowestoft, England*

UK-Scotland: *Craig Russell, Finlay Burns, Marine Scotland, Aberdeen*

10. STATE:

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

YES

Please contact chief scientist well ahead of time

(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

Bremerhaven, 23.01.2012; port of mid-term break (Aberdeen, Bergen or Lerwick), 07.-14.02.2012; Bremerhaven, time interval between 24.02. and 04.03.2012.

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

Generally, all data will be uploaded to ICES DATRAS for further treatment about 4 weeks after the cruise.

Furthermore:

- 1. Cruise summary report through official channels; English summary will be available about 4 weeks after the trip*
- 2. Short report latest by end of March 2012*
- 3. ICES IBTS Working Group Report, end of May 2012*

PART-C: SCIENTIFIC EQUIPMENT

COASTAL STATE *United Kingdom*

COMPLETE THE FOLLOWING TABLE
SEPARATE COPY FOR EACH COASTAL STATE

PORT CALL *Aberdeen or Lerwick*

DATE: *between 07. and 14.02.2011*

INDICATE „YES“ OR „NO“

LIST OF SCIENTIFIC WORK BY FUNCTION				Distance from coast		
				Within 12 NM	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			
<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>

Mathias Klappmann

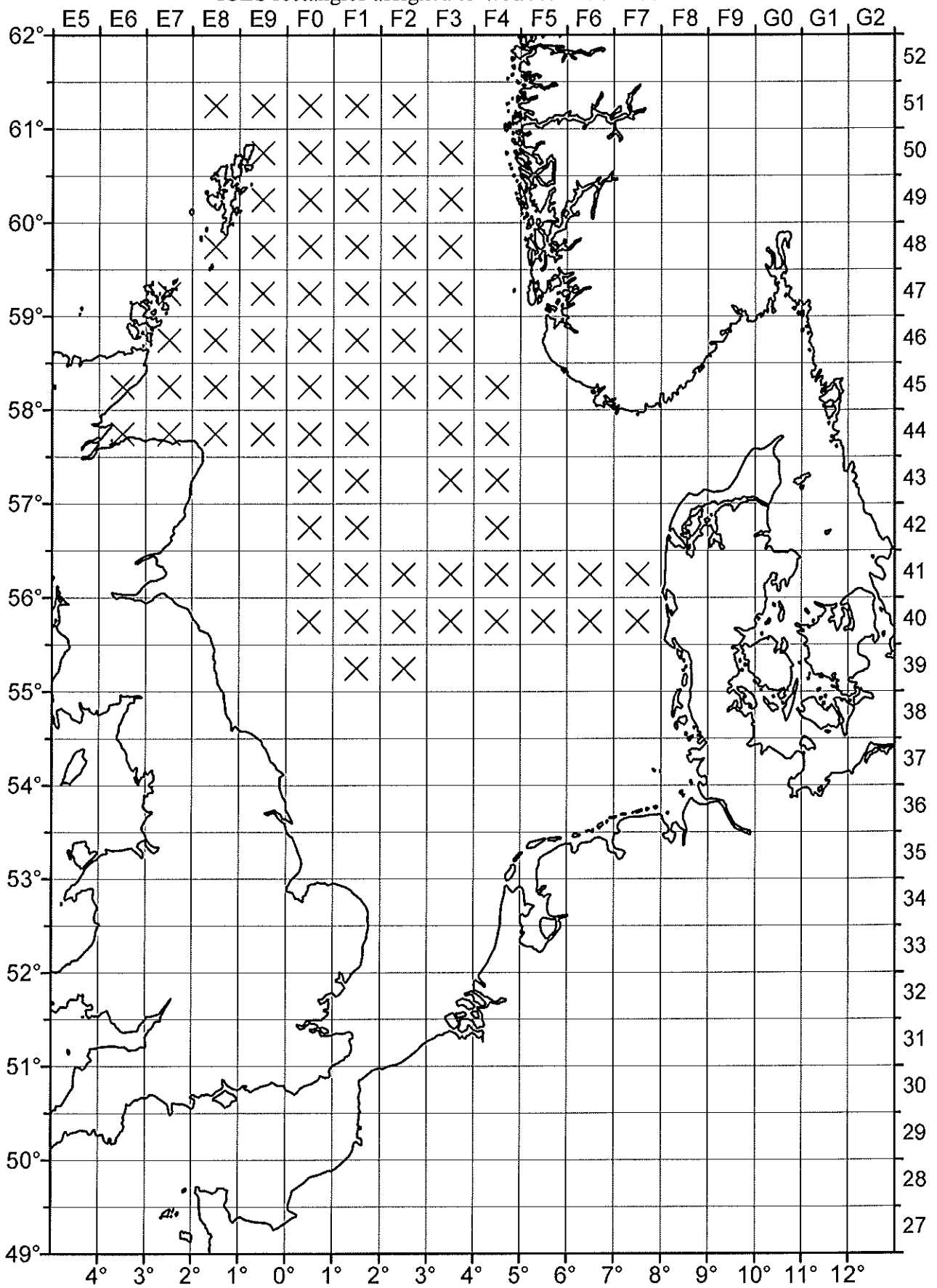
Dated *09.06.2011*

(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

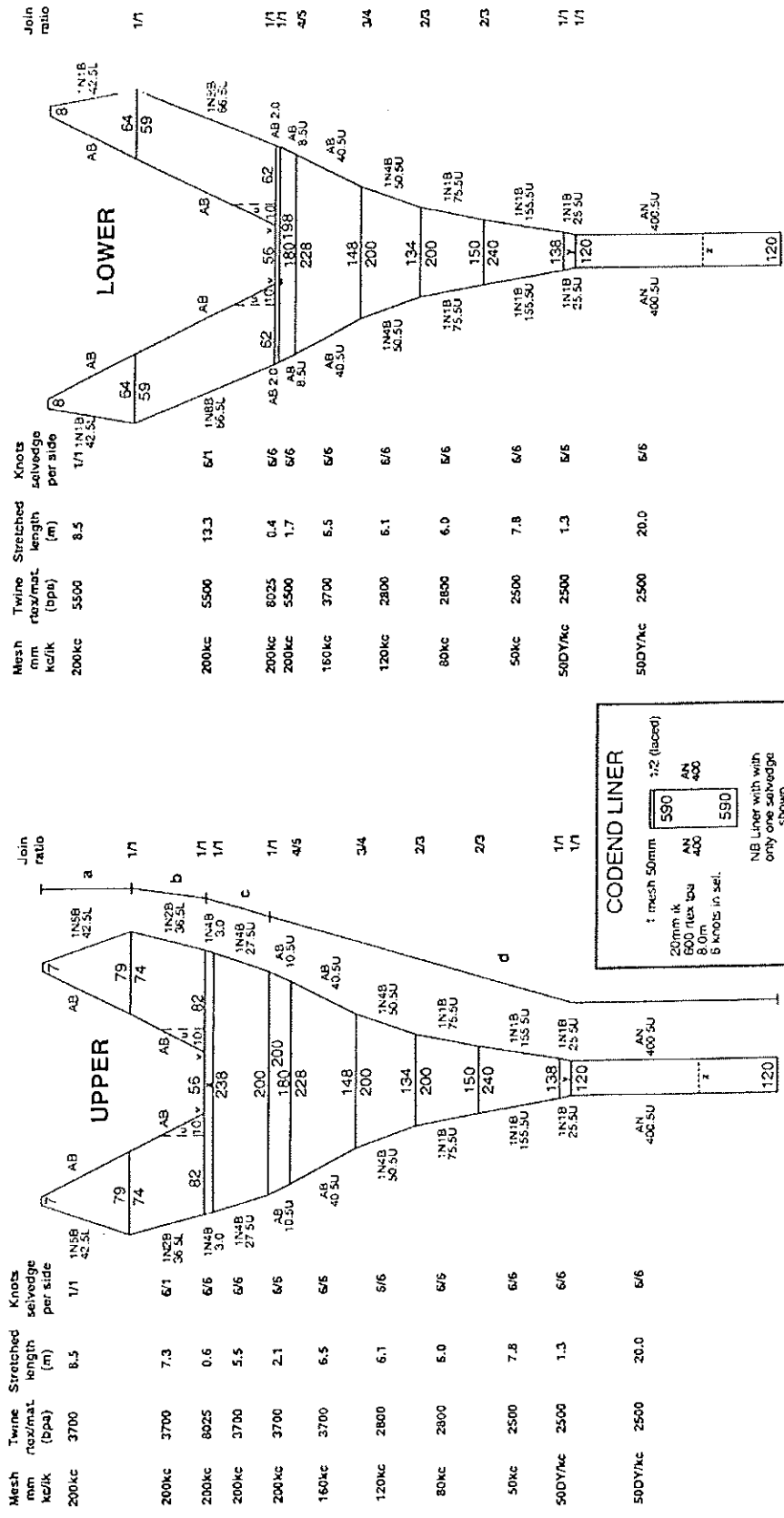
IBTS 2012(I)

ICES rectangles assigned to WALTHER HERWIG III



GOV, standard fishing gear (trawl construction)

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



CODEND LINER
 : mesh 50mm
 590
 20mm ik
 600 (tex 100
 8.0m
 5 knots in sel.
 NB Liner with with
 only of selvedge
 shown

Headline : 36m (15.50 + 5.00 + 15.50) x 14mm φ wire (1/1) 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).
 Winglines : 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)

u - Gussets 6025tex
 v - 4 meshes gathered at quarters
 w - 200 198
 x - 240 238
 y - 138 120
 z - Joining position for Liner

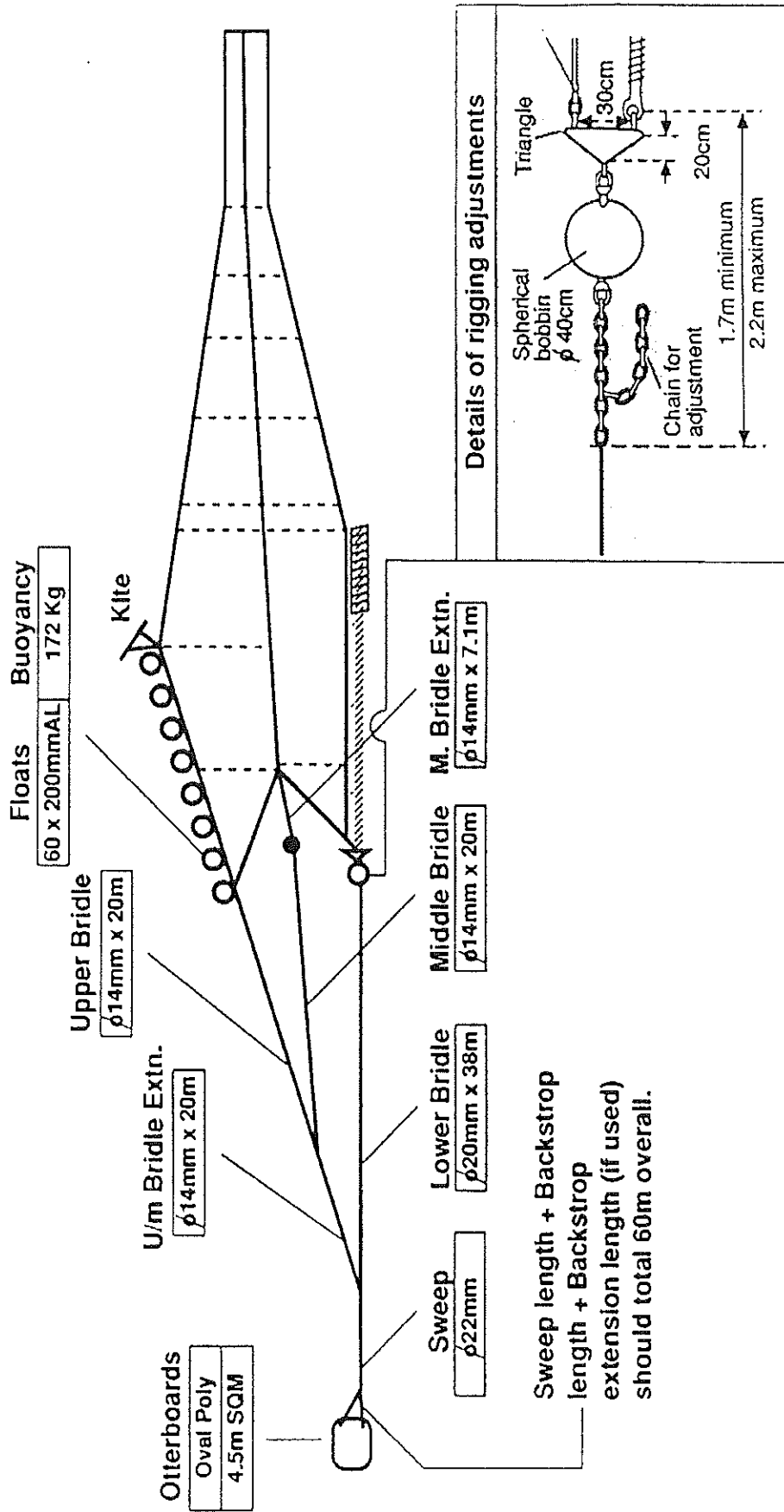
kc = knot centre to knot centre
 ik = inside knot: measurement
 tpa = polyamide twine/twisted
 bpa = polyamide twine/braided
 dy = double yarn
 Method of join used, sewing.
 Type of knot, weavers knot.

NOTE TO NETMAKERS

The numbers of meshes shown for netting panel widths do NOT include selvedge meshes. Five meshes (six knots) per selvedge 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 deep. The total numbers of meshes (width and depth) for each individual panel are set out in GOV 36/47 Groundfish Survey Trawl Checklist (Page 2 of 5)

GOV standard fishing gear (rigging)

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



Construction of the MIK plankton net

