

NOTIFICATION OF PROPOSED RESEARCH CRUISE

PART A: GENERAL

1. NAME OF RESEARCH SHIP FRV "SOLEA" CRUISE NO. 559
2. DATE OF CRUISE FROM 29.06.06 TO 18.07.06
3. OPERATING AUTHORITY *Bundesanstalt für Landwirtschaft und Ernährung
Palmaille 9, 22767 Hamburg*
- TELEPHONE +4940 38905171/TELEX 214763 bled Fax +494038905128
4. OWNER (if different from para. 3) Federal Republic of Germany
5. PARTICULARS OF SHIP
- | | |
|------------------------|------------------------|
| <u>NAME</u> | <u>FRV "SOLEA"</u> |
| <u>NATONALITY</u> | <u>German</u> |
| <u>OVERALL LENGHT</u> | <u>42.7 METRES</u> |
| <u>MAXIMUM DRAUGHT</u> | <u>3.6 METRES</u> |
| <u>NETT TONNAGE</u> | <u>660</u> |
| <u>PROPULSION</u> | <u>DIESEL ELECTRIC</u> |
| <u>CALL SIGN</u> | <u>DBFH</u> |
- REGISTERED PORT & NUMBER
(if registered fishing vessel) -
6. CREW
- | | |
|-----------------------|---------------------------|
| <u>NAME OF MASTER</u> | <u>H. Jürgs or deputy</u> |
| <u>NUMBER OF CREW</u> | <u>14</u> |
7. SCIENTIFIC PERSONNEL
- | | |
|--|--|
| <u>NAME AND ADDRESS OF SCIENTIST - IN - CHARGE</u> | <u>Dr. E. Bethke</u>
<i>Institute for Fishery Technology
and Fishery Economics
Palmaille 9, 22767 Hamburg</i> |
| <u>TEL. / TELEX / FAX NO.</u> | <u>+49 40 38905-203 +494038905-264</u> |
| <u>NUMBER OF SCIENTISTS</u> | <u>7</u> |
8. GEOGRAPHICAL AREA IN WHICH SHIP WILL OPERATE (with reference in Latitude and Longitude):
52°00'N-59°00'N; 3°W-10°E (see map attached)
9. BRIEF DESCRIPTION OF PURPOSE OF CRUISE :
Assessment of Herring and Sprat stocks as part of an international (ICES co-ordinated) hydroacoustic survey
10. DATES AND NAMES OF INTENDED PORTS OF CALL :
Kristiansand (Norway), Hanstholm, Esbjerg (Denmark), Aberdeen (UK), date not fixed, depending on work schedule
11. ANY SPECIAL REQUIREMENTS AT PORTS OF CALL : None

NOTIFICATION OF PROPOSED RESEARCH CRUISE

PART B: GENERAL

1. NAME OF RESEARCH SHIP *SOLEA* CRUISE NO. *559*
2. DATES OF CRUISE FROM.....*29.06.06*..... TO*18.07.06*.....
3. a) PURPOSE OF RESEARCH
- Hydroacoustic measurements, reference fishing on selected fishing stations, length and weight measurements, otolith sampling for age determination, hydrographic stations with CTD-probe, herring trawl for pelagic and bottom trawling*
- b) GENERAL OPERATIONAL METHODS (including full description of any fishing gear - trawl type, mesh size etc)
- Hydrographic stations with CTD-probe
Herring trawl for pelagic and bottom trawling*
4. ATTACH CHART showing, (on an appropriate scale) the geographical area of the intended work, the area to be fished, positions of intended stations, tracks of survey lines, positions of moored / seabed equipment, areas to be fished:
- The areas to be investigated depend on the fish distribution during the cruise. Thus, no cruise track and fishing positions can be fixed in advance. Chart is attached.*
5. a) TYPES OF SAMPLES REQUIRED e.g. Geological / Water / Plankton / Fish/ Radionuclide etc:
- Samples of herring and sprat, small amounts, water samples for calibration of CTD probe*
5. 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 to be retained on board)
- trawling, small amounts remaining on board*
6. DETAILS OF MOORED EQUIPMENT : *no moored equipment*

DATES :

<u>Laying</u>	<u>Recovery</u>	<u>Description</u>	<u>Depth</u>	<u>Latitude</u>	<u>Longitude</u>
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ANY HAZARDOUS MATERIALS: (e.g. Chemicals/ Explosives/ Gases/ Radioactive etc.)
(Use separate sheet if necessary)

- (a) Type and trade name *none*
 (b) Chemical content (& Formula)
 (c) IMO IMDG code (Reference & UN No.)
 (d) Quantity & method of stowage on board
 (e) If explosives give date (s) of detonation
 - 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
392nd cruise of FRV "Solea", 1996
186th cruise of FRV "Walther Herwig III", 1997
196th cruise of FRV "Walther Herwig III", 1998
444th cruise of FRV "Solea", 1999
218th cruise of FRV "Walther Herwig III", 2000
240th cruise of FRV "Walther Herwig III", 2001
478th cruise of FRV "Solea", 2002
253rd cruise of FRV "Walther Herwig III", 2003
265th cruise of FRV "Walther Herwig III", 2004
544th cruise of FRV "Solea", 2005
similar cruises of RV "Dana", G.O. Sars", "Michael Sars", "Scotia", "Tridens"

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

See annual reports of the ICES Herring Assessment Working Groups

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:

DK: J. Dalskov, DIFRES, Charlottenlund
NL: A. Eltink, RIVO-DLO, IJmuiden
N: R. Toresen & E. Torstensen, IMR, Bergen
UK: J. Simmonds, D. Reid, P. Fernandes, MarLab, Aberdeen

10. STATE :

- a) Whether visits to the ship in port by scientists of the coastal state concerned will be acceptable
YES

- 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

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

Cruise Report about 4 weeks after the trip
ICES Report of Herring Assessment Working Group, from May 2007 on

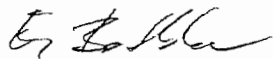
PART C: SCIENTIFIC EQUIPMENT

COASTAL STATE United Kingdom

COMPLETE THE FOLLOWING TABLE
SEPARATE COPY FOR EACH COASTAL STATEPORT CALL AberdeenDATES 29th June-18th July 2006

INDICATE „YES“ OR „NO“

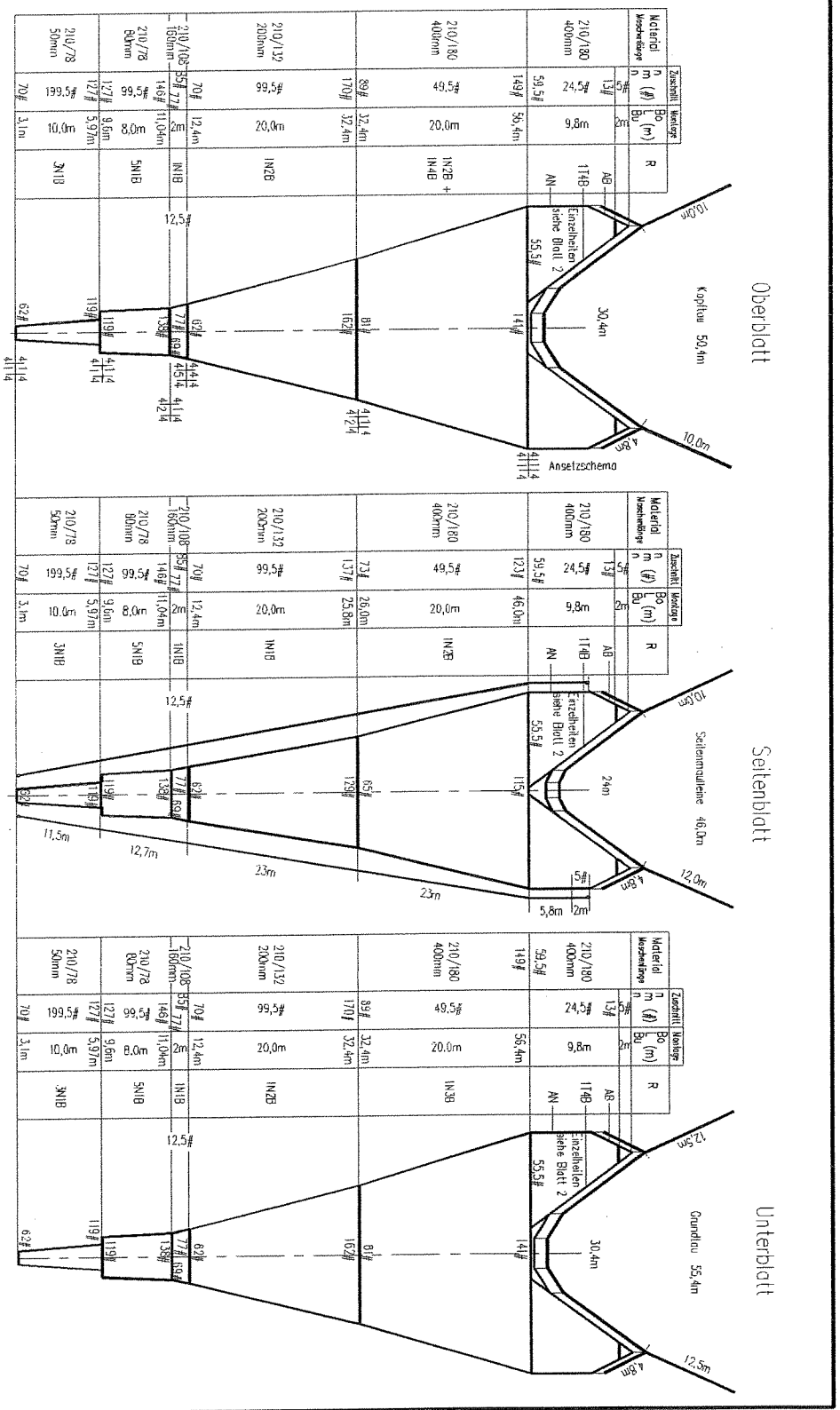
LIST OF SCIENTIFIC WORK BY FUNCTION e.g. MAGNETOMETRY GRAVITY DIVING SEISMICS BATHYMETRY SEABED SAMPLING TRAWLING ECHO SOUNDING WATER SAMPLING U W TV MOORED INSTRUMENTS TOWED INSTRUMENTS	WATER COLUMN INCLUDING SEDIMENT SAMPLING OF THE SEABED	FISHERIES RESEARCH WITHIN FISHING LIMITS	RESEARCH CONCERNING 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
Trawling	surface to seabed	yes	no	yes	yes	no
Echo-integration with hull-mounted instruments	water column	yes	no	yes	yes	no
Water sampling	water column	yes	no	yes	yes	no



(On behalf of the Principal Scientist)

Dated.....08.11.2005.....

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



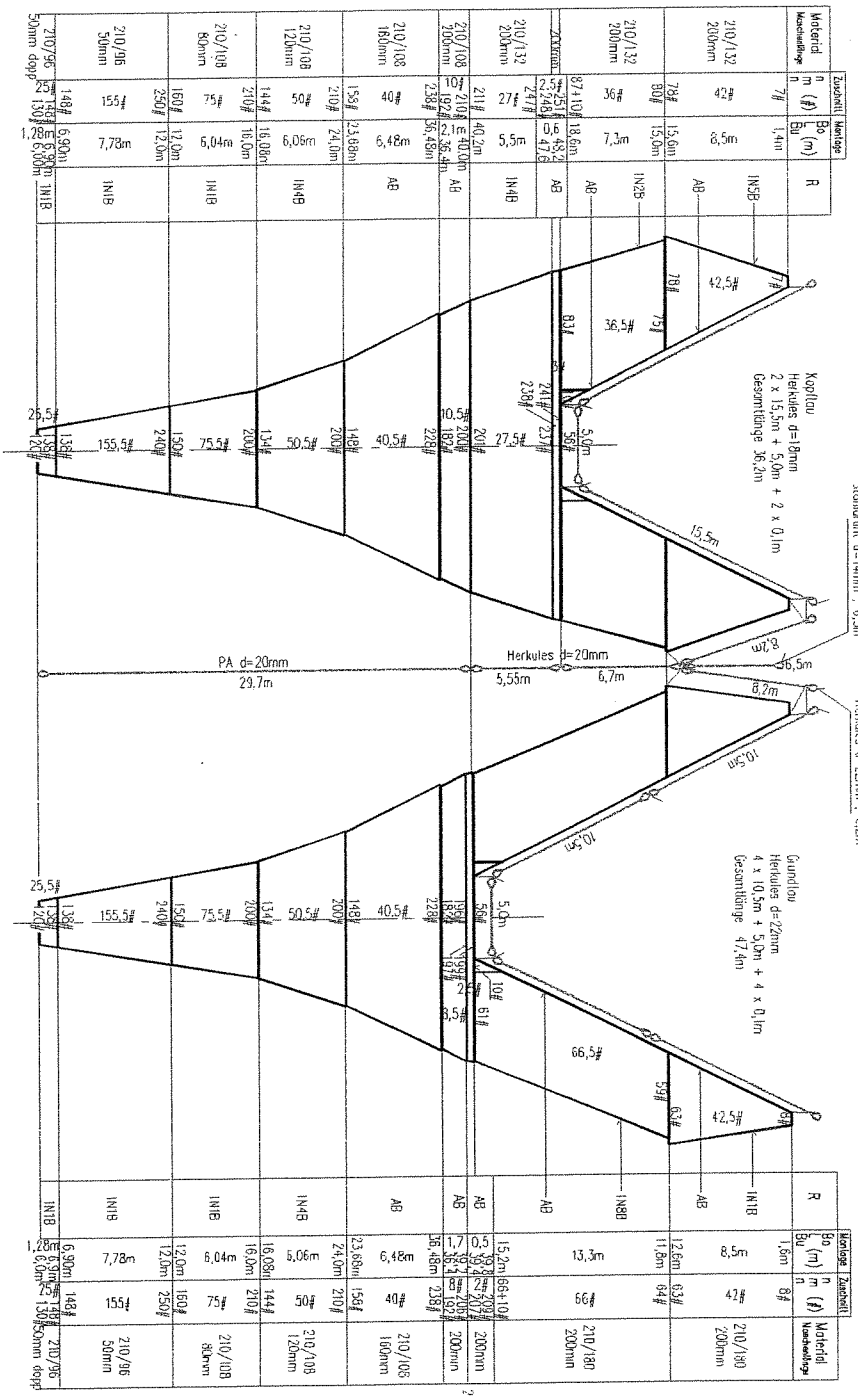
Achtung! Die Blätter in Maschinen auf der Zeichnung beziehen sich auf den gedrehten Zustand (ohne Maschinen der Lasten). Beim Zusammenbau die Werte aus der Spalte "Zuschnitt" entnehmen.

Gesamtlänge L_{ges} = 84,2m
U = 205m (Entsprechend 1025 Maschen u=100mm)

Zahl	Änderung	Datum	Von	Bis	Menge
C	Urt-verst.	17.12.01	Re		
D	Reparatur	29.05.01	Re		
C	Mod. Ring 2,3,4	07.03.01	Re		
B	Legende Ring 1	16.09.99	Re		
A	Ring 2, 3, 4	06.07.98	Re		

Bauwerksvermerk für Fischer		Material
Inhalt für Maschinbau		
1 : 600		Bild 1
		7 Bl.

psn205m3s4d



Gesamtlänge, ohne Sperrt : 51,64m

Castrecker Umfang : 400q x 0,2m = 80,0m

gms/E171, 3.4

Zust.	Material	n	Bo	L	R	Material	n	Bo	L	R
Material	n	Bo	L	R	Material	n	Bo	L	R	
210/132 200mm	77#	1,4m			210/180 200mm	77#	1,4m			
210/132 200mm	42#	5,5m			210/180 200mm	42#	5,5m			
210/108 180mm	180#	15,0m			210/108 180mm	180#	15,0m			
210/108 180mm	80#	15,0m			210/108 180mm	80#	15,0m			
210/108 180mm	36#	7,3m			210/108 180mm	36#	7,3m			
210/108 180mm	27#	5,5m			210/108 180mm	27#	5,5m			
210/108 180mm	21#	4,0m			210/108 180mm	21#	4,0m			
210/108 180mm	15#	3,0m			210/108 180mm	15#	3,0m			
210/108 180mm	10#	2,0m			210/108 180mm	10#	2,0m			
210/108 180mm	5#	1,0m			210/108 180mm	5#	1,0m			
210/108 180mm	2#	0,5m			210/108 180mm	2#	0,5m			
210/96 50mm	148#	6,90m			210/96 50mm	148#	6,90m			
210/96 50mm	155#	7,78m			210/96 50mm	155#	7,78m			
210/96 50mm	148#	6,90m			210/96 50mm	148#	6,90m			
210/96 50mm	155#	7,78m			210/96 50mm	155#	7,78m			

Zust.	Änderung	Datum	Name

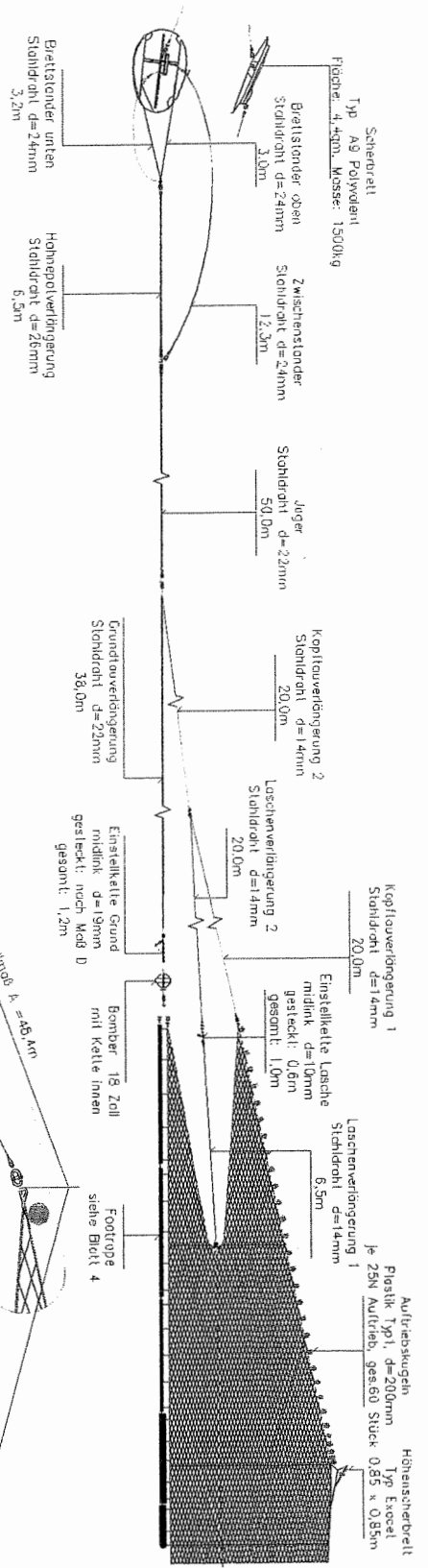
Genehmigung	Datum	Name

Grundschnitznetz GOV 36147

Maßstab 1:400

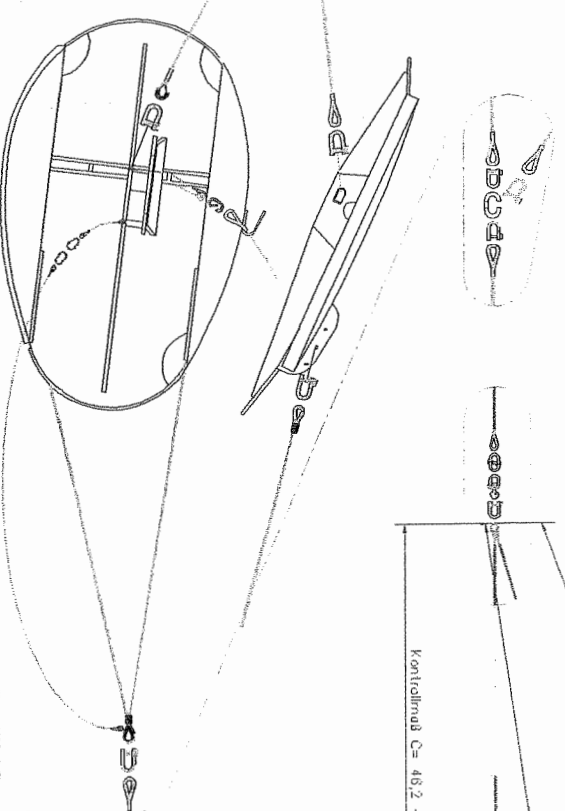
Blatt 1

5 Bl.



D (m)	LKG (m)	Losz des Kopffußs gegenüber dem Grundriss	Losz des Kopffußs gegenüber der Lasche	Losz des Grundriss gegenüber der Lasche
1,7	0,5	1,1	0,6	
2,0	0,2	1,1	0,9	
2,2	0	1,1	1,1	0,9

Durch Verankerung der Einsteilkette über das Maß von 0,6m hinaus verformt sich die Last in diesen beiden Richtungen.



Zust.	Änderung	Datum	Name

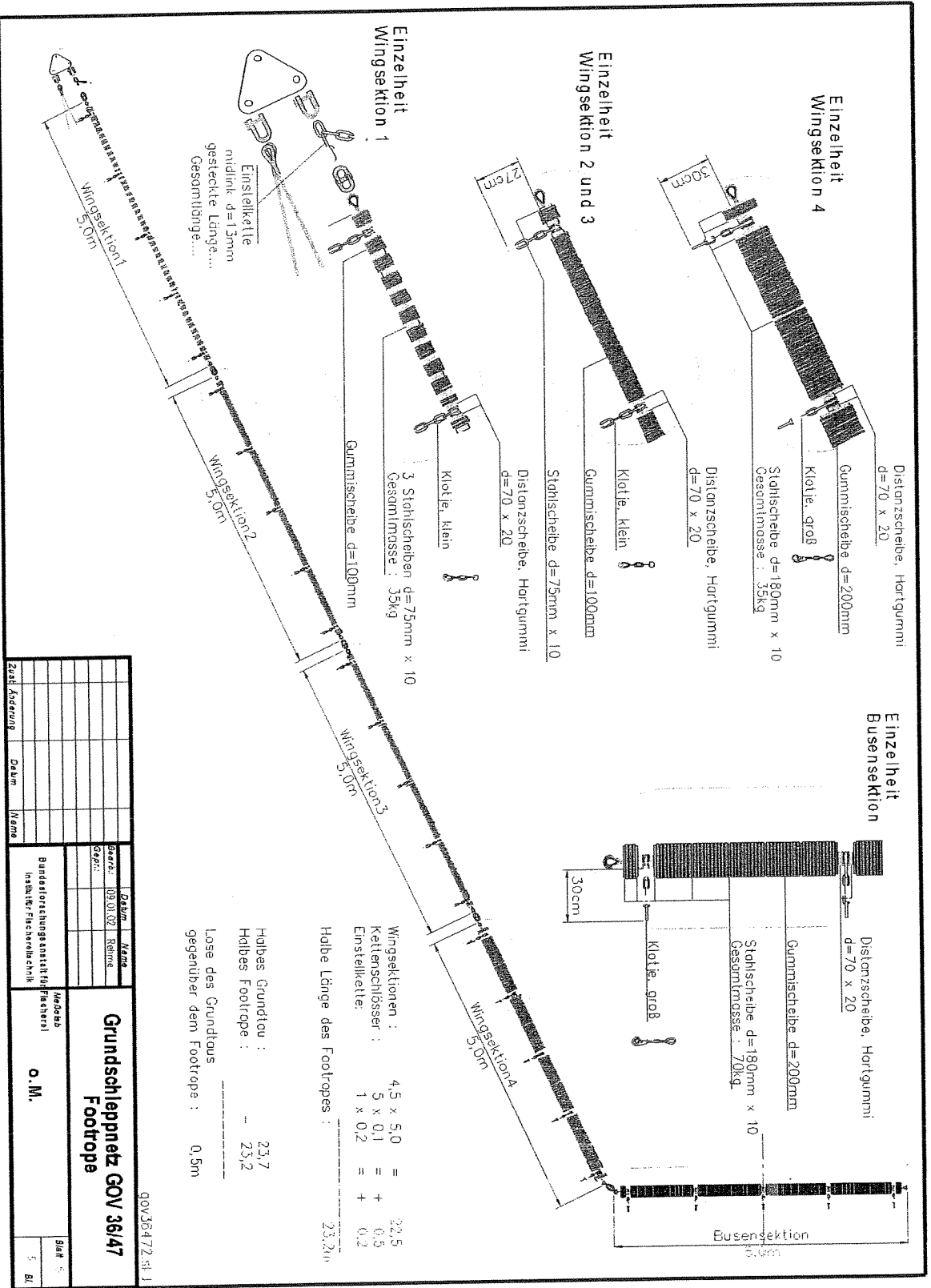
Bezeichnung: 08/11/07
 Kap.:
 Datum: 08/11/07
 Name: Kette

Bundesforschungsanstalt für Fischerei
 Institut für Fischereitechnik

Projektleiter: o.M.

Blatt 4
 von 5 Bl.

**Grundschnitzplan GOV 38/47
 Vorgeschrift und Bestückung**



gov36472.st.1

Zust. Abteilung		Datum		Name	
Bundforschungsanstalt für Fischerei		Inhabiter Fischereibau		Merkmal	
o.M.		Blatt		5	
Blatt		5		Bl	

Grundschleppnetz GOV 36/47
Footrope

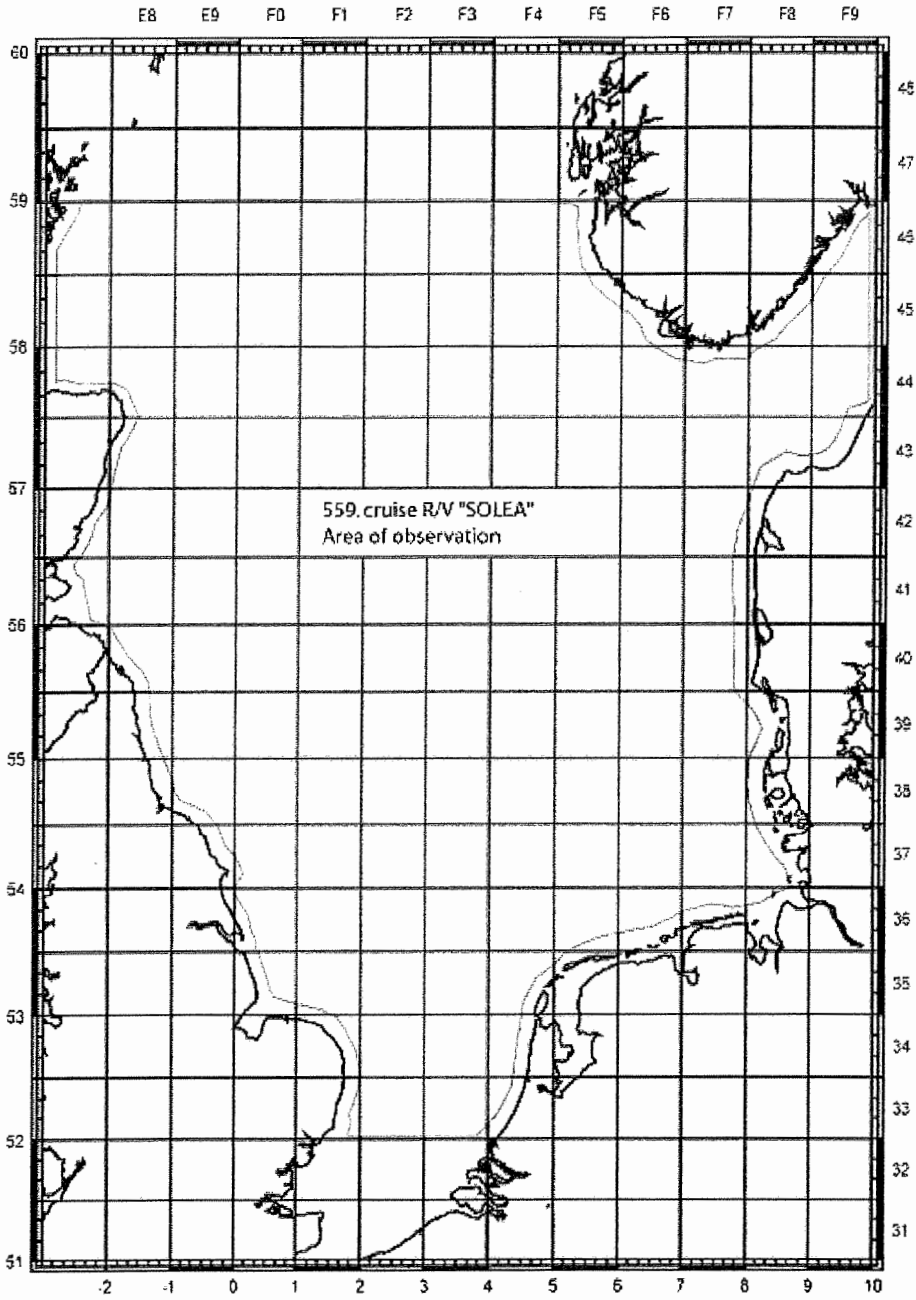


Chart So559: The areas to be investigated depend on the fish distribution during the cruise.