NOTIFICATION OF PROPOSED RESEARCH CRUISE

PART A. GENERAL

1. NAME OF RESEARCH SHIP *FFS "Walther Herwig III"* CRUISE NO. *WH 310*

2. DATE OF CRUISE FROM *20.03.2008* TO 09.04.2008

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 Elecctric*
CALL SIGN	*DBFR*

REGISTERED PORT & NUMBER (if registered fishing vessel)

6. CREW

NAME OF MASTER	*Janßen or deputy*
NUMBER OF CREW	*22*

7. SCIENTIFIC PERSONNEL

NAME AND ADDRESS OF SCIENTIST - IN - CHARGE	*Dr. Horst Karl* *BFEL – Forschungsbereich Fischqualität* *Palmaille 9* 22767 Hamburg
Tel./FAX No.	*+49 40 38905-114* *+49 40 38905-262*
NUMBER OF SCIENTISTS	*12*

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

55° N – 43° N, 15° W – 10° E /ICES IV b-c/ VII d,e,g,h,j/ VIII a-d

9. BRIEF DESCRIPTION OF PURPOSE OF CRUISE:

Investigations of nematodes in fish and sampling for contaminant dtermination

10. DATES AND NAMES OF INTENDED PORTS OF CALL:

SAN SEBASTIAN – SPAIN 3 / 4.04.2008

11. ANY SPECIAL REQUIREMENTS AT PORTS OF CALL: *None*

NOTIFICATION OF PROPOSED RESEARCH CRUISE

PART B. GENERAL

1. NAME OF RESEARCH SHIP *FFS Walther Herwig III* CRUISE NO: *WH310*

2. DATES OF CRUISE FROM 20.03.2008 TO 09.04.2008

3. a) PURPOSE OF RESEARCH
Investigations on the prevalence, abundance, distribution and migration behaviour of nematodes, sampling of fish for analysis of organic trace substances and other compounds

b) GENERAL OPERATIONAL METHODS (including full description of any fishing gear-trawl type, mesh size, etc.)
Bottom and pelagic trawls, see attached description

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

Variable stations of fishing depending on the occurrence of fish species required for investigations

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

All commercial fish species, e.g. herring, mackerel, hake, sardines. Anchovy, horse mackerel etc.

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)
Fishing: required quanities: 20 – 200 kg, depending on the species

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 *Solvents for analytical purposes*

(b) CHEMICAL CONTENT (& formula) *Aceton, Ethanol,*

(c) IMO IMDG CODE Reference & UN No. *3,1/ II UN 1090, 3,2/II UN1170/*

(d) QUANTITY & METHOD OF STOWAGE ON BOARD *each 2 l, chemical laboratory*

(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 279. Walther Herwig III 16.09.2005 – 06.10.2005

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

H. Karl, U. Ruoff: Dioxins and dioxin-like PCBs in in fish in general and in particular from Baltic Sea. Organohalogen compounds 66, 1910-1916 (2004).

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.

Prof Dr. Maragrita Tejada
Consejo Superior de Investigaciones Científicas (CSIC). C/ José Antonio Novais, 10. E- 28040 Madrid, Spain.
Phone: (+34) 91 544 5607 or (+34) 91 549 2300. Fax: (+34) 91 549 3627
E-mail: mtejada@if.csic.es. http://www.csic.es/ifrio

10. STATE: Spain

(a) WHETHER VISITS TO THE SHIP IN PORT BY COASTAL STATE SCIENTISTS 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/DDISEMBARCATION yes
Embarkation: 4.04.2008 in San Sebastian Spain.
Disembarkation: 9.04.2008 Bremerhaven

c) WHEN RESEARCH DATA FROM THE INTENDED CRUISE IS LIKELY TO BE MADE AVAILABLE TO THE COASTAL STATE AND BY WHAT MEANS
Cruise summary report through official channels; English summary will be available about 4 weeks after the trip

PART-C: SCIENTIFIC EQUIPMENT

COASTAL STATE *United Kingdon*

COMPLETE THE FOLLOWING TABLE
SEPARATE COPY FOR EACH COASTAL STATE

PORT CALL *none*

DATES:

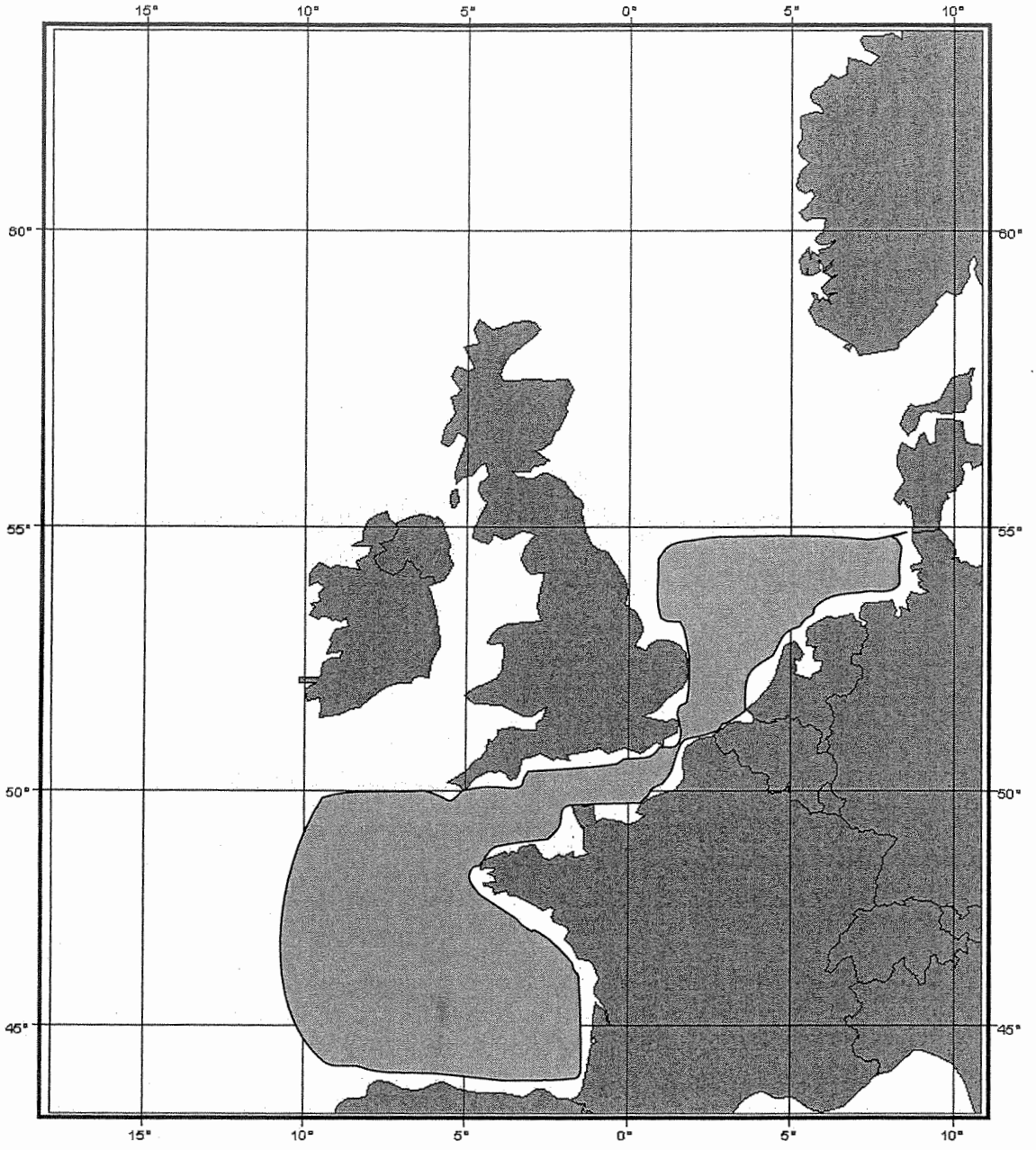
INDICATE „YES" OR „NO"

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 margin	(Continental shelf work only) Beyond 200 NM but within the continental
Bottom trawl	no	yes	no	yes	yes	yes
Pelagic trawl	no	yes	no	yes	yes	yes

Dated 21.08.07

(On behalf of the Principal Scientist)

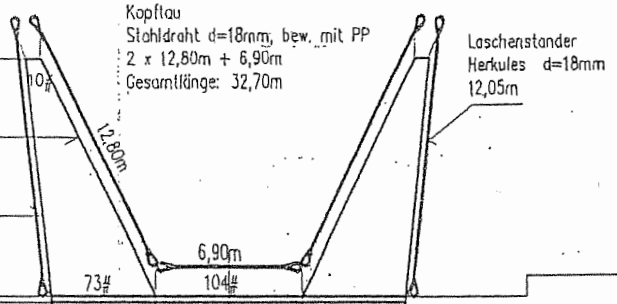
N.B. IF ANY DETAILS ARE MATERIALLY CHANGED REGARDING DATES / AREA OF OPERATION AFTER THIS FORM HAS BEEN SUBMITTED THE COASTAL STATE AUTHORITIES MUST BE NOTIFIED IMMEDIATELY



Area of investigation cruise No. 310 W.H.III

Variable stations of fishing depending on occurrence of fish species

Oberblatt



Material Maschenlänge	Zuschnitt n m (#) n	Montage Bo L (m) Bu	R
PA d=4mm 150mm	15# 80#	1,50m 12,0m	AB
			2N 1B
150mm dopp.	2# 78#	10,95m	
PA d=4mm 150mm	260# 42,5# 203#	37,50m 6,45m 28,95m	1N 4B
PA d=4mm 145mm	202# 75# 102#	27,84m 10,95m 13,34m	1N 4B
PA d=4mm dopp. 145mm	101# 30# 61#	13,20m 4,42m 7,34m	1N 4B
PA d=4mm dopp. 140mm	60# 60# 60#	7,00m 8,40m 7,00m	AN
PA d=4mm dopp. 140mm	60# 60# 60#	7,00m 8,40m 7,00m	AN

Steert

Ansetztour doppelt bzw. farbig

Eckverstärkung, oben
PA d=16mm
ca. 16,8m

192#
92#
91#
51#
50#
1,0m
50#
50#

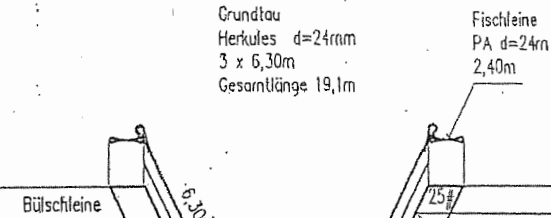
Steert-einlage 1

2 Blätter

R	Montage Bo L (m) Bu	Zuschnitt n m (#) n	Material Maschenlänge
AN	10,50m 8,0m 10,50m	220# 160# 220#	PA 210/96 dopp. 50mm

210# 210#

Unterblatt



R	Montage Bo L (m) Bu	Zuschnitt n m (#) n	Material Maschenlänge
AB	3,75m	30#	PA d=4mm 150mm
AB	4,5m 3,75m	30#	
AB	3,90m	31#	150mm
AN	3,0m 6,75m	29,5# 50#	145mm dopp.
1N 4B	27,84m 10,95m 13,34m	202# 75# 102#	PA d=4mm 145mm
1N 4B	13,20m 4,42m 7,34m	101# 30# 61#	PA d=4mm dopp. 145mm
AN	7,00m 8,40m 7,00m	60# 60# 60#	PA d=4mm dopp. 140mm
AN	7,00m 8,40m 7,00m	60# 60# 60#	PA d=4mm dopp. 140mm

Eckverstärkung, unten
PA d=24mm
ca. 15,7m

192#
92#
91#
51#
50#
1,0m
50#
50#

Laschenverstärkung
PA d=30mm
ca. 16,8m

Steert-einlage 2

1 Blatt

Material Maschenlänge	Zuschnitt n m (#) n	Montage Bo L (m) Bu	R
PA 210/18 20mm	790# 400# 790#	15,80m 8,0m 15,80m	AN

790# 790#

Gesamtlänge, ohne Steert: 34,1m

Gestreckter Umfang: 386# x 0,15m = 57,9m

140fuss4.skd

Zust.	Änderung	Datum	Name

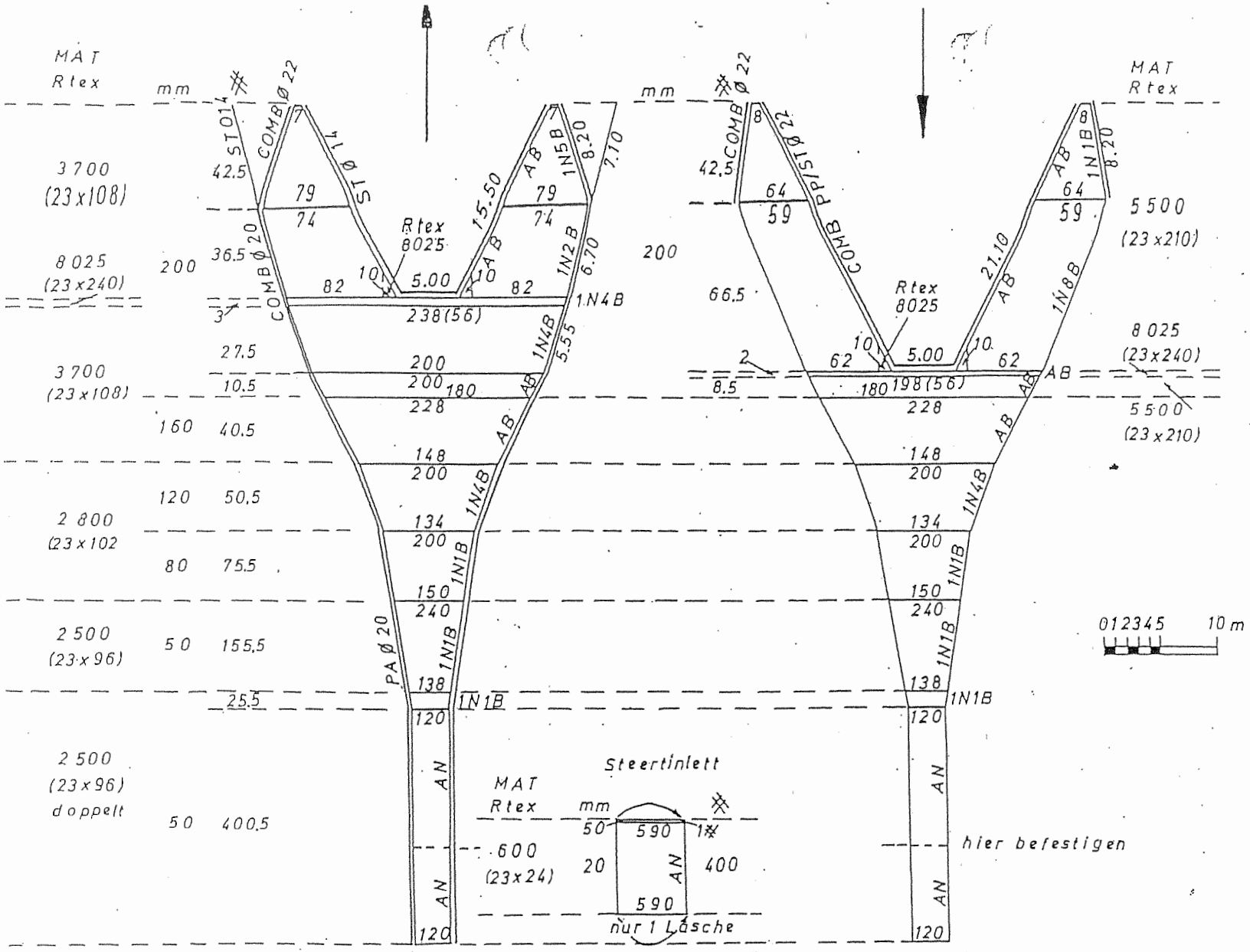
	Datum	Name
Bearb.:	08.01.02	Rehme
Gepr.:		

Bundesforschungsanstalt für Fischerei
Institut für Fischereitechnik

140-Fuß-Netz

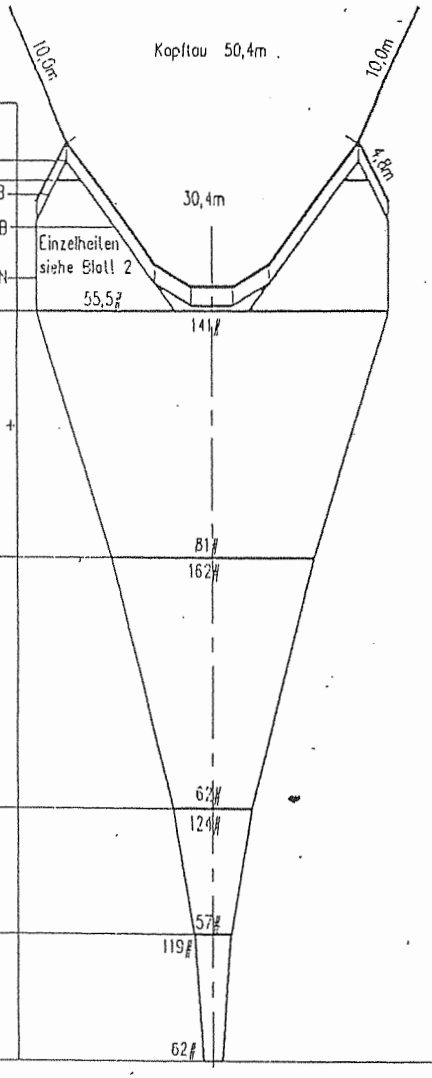
Maßstab 1 : 400

Blatt 1
6 Bl.



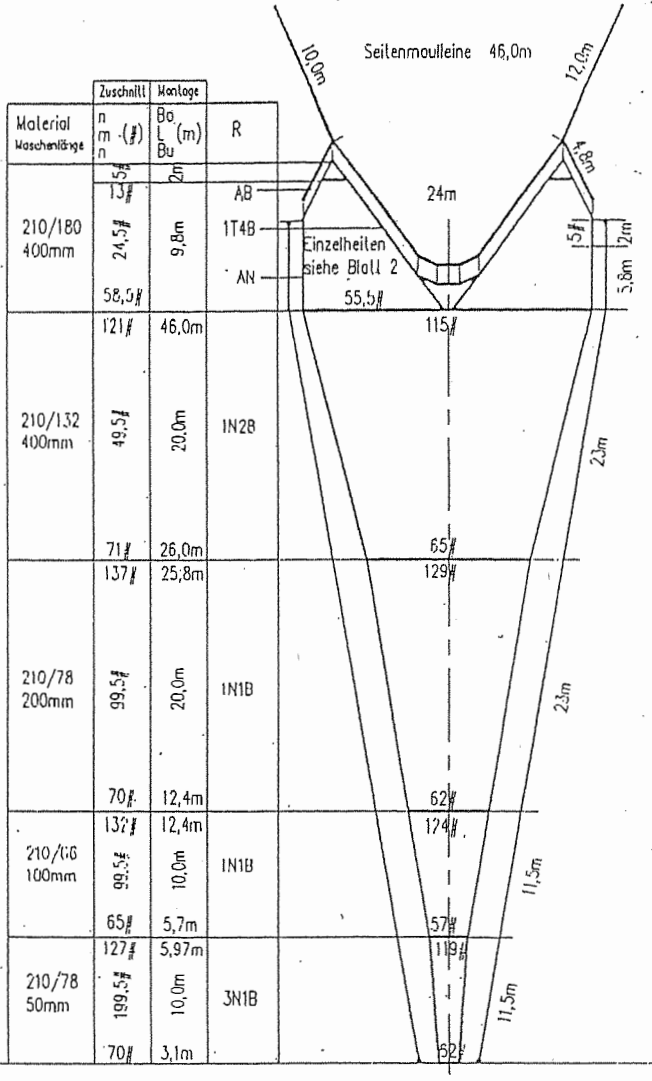
			Maßstab 1:350
			Standardnetze BFA für Fischerei
	Datum	Name	
Bearb.	25.11.92	Fahn	„GOV - GSN"
Gepr.	25.11.92	Fahn	
Norm			
			„nach einem Entwurf des JSTPM, Boulogne" „entsprechend ICES C.M. 1992/B:39"
			Blatt 1

Oberblatt



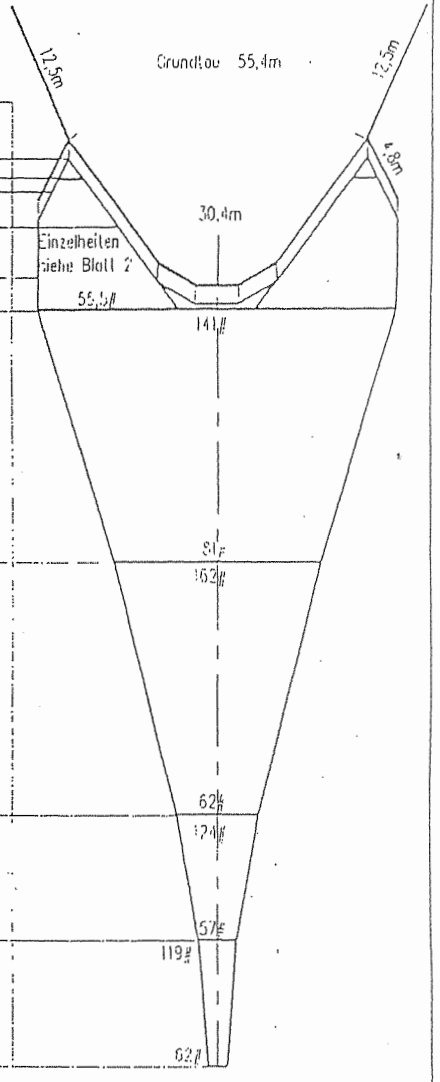
Material Maschenlänge	Zuschnitt n m n (#)	Montage Bo L (m) Bu	R
	5#	2m	
210/180 400mm	13# 24,5# 58,5#	9,8m	AB 1T4B AN
210/132 400mm	147# 83,5# 87#	56,4m 20,0m 32,4m	1N2B + 1N4B
210/78 200mm	170# 99,5# 70#	32,4m 20,0m 12,4m	1N2B
210/66 100mm	132# 99,5# 65#	12,4m 10,0m 5,7m	1N1B
210/78 50mm	127# 199,5# 70#	5,97m 10,0m 3,1m	3N1B

Seitenblatt



Material Maschenlänge	Zuschnitt n m n (#)	Montage Bo L (m) Bu	R
	5#	2m	
210/180 400mm	13# 24,5# 58,5#	9,8m	AB 1T4B AN
210/132 400mm	121# 49,5# 71#	46,0m 20,0m 26,0m	1N2B
210/78 200mm	137# 99,5# 70#	25,8m 20,0m 12,4m	1N1B
210/66 100mm	132# 99,5# 65#	12,4m 10,0m 5,7m	1N1B
210/78 50mm	127# 199,5# 70#	5,97m 10,0m 3,1m	3N1B

Unterblatt



Material Maschenlänge	Zuschnitt n m n (#)	Montage Bo L (m) Bu	R
	5#	2m	
210/180 400mm	13# 24,5# 58,5#	9,8m	AB 1T4B AN
210/132 400mm	147# 83,5# 87#	56,4m 20,0m 32,4m	1N3B
210/78 200mm	170# 99,5# 70#	32,4m 20,0m 12,4m	1N2B
210/66 100mm	132# 99,5# 65#	12,4m 10,0m 5,7m	1N1B
210/78 50mm	127# 199,5# 70#	5,97m 10,0m 3,1m	3N1B

Gesamtlänge L ges = 84,3m

Umfang U = 205m (Entsprechend 1025 Maschen a=100mm)

Zust.	Änderung	Datum	Nr.
	A	06.07.98	

	Datum	Name
Bearb.:	01.04.98	
Gepr.:		

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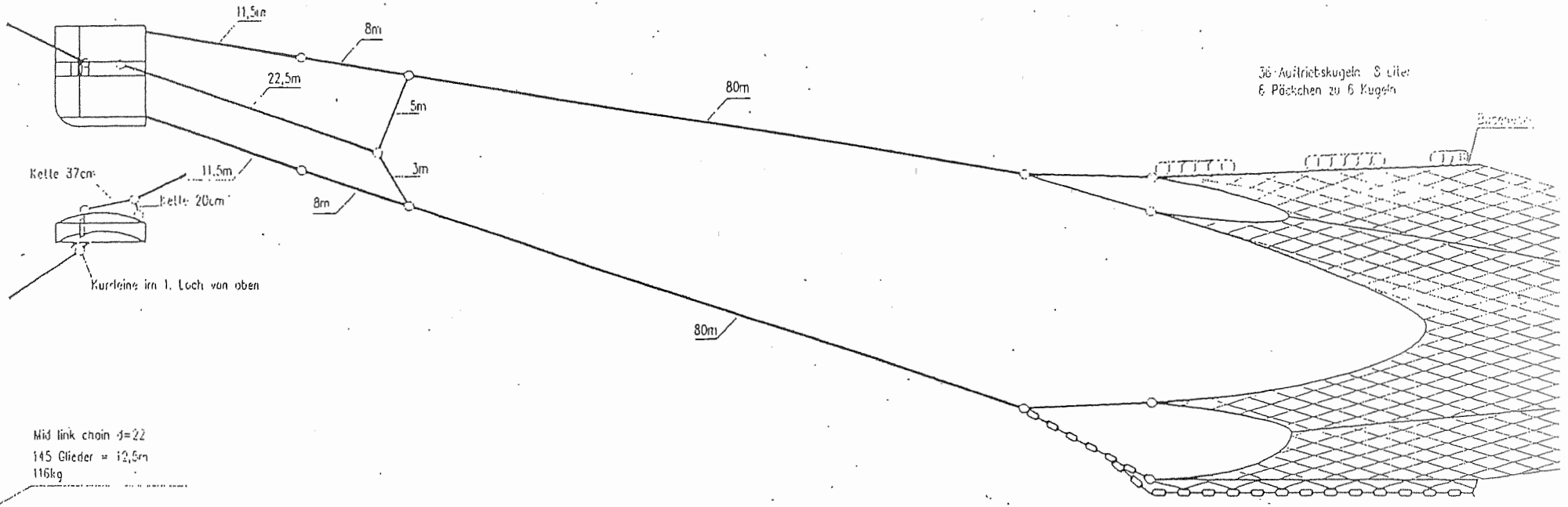
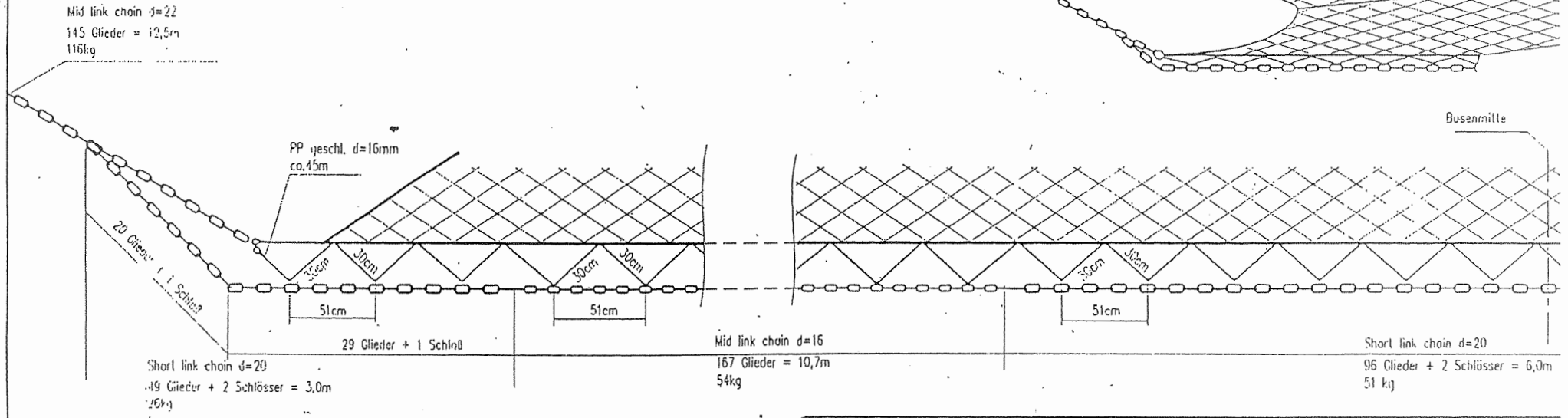
PSN 205m
für FFS Walther Herwig III

Maßstab 1 : 600

Blatt 1
4 Bl.

Scherbrett : Typhoon Typ I
3,34 Quadratmeter





"Vorgewicht": 2 x (116kg + 26kg) = 284kg
Kettengrundtau: 2 x54kg + 51kg = 159kg

Gesamtgewicht = 443kg (4,43kN)

Auftrieb: 36 x 70N = 2,5kN

Zust.	Änderung	Datum	Name
	Scherbretter	13.12.98	
	A	06.07.	
		Datum	Name
		Bearb.: 01.04.98	
		Gepr.:	

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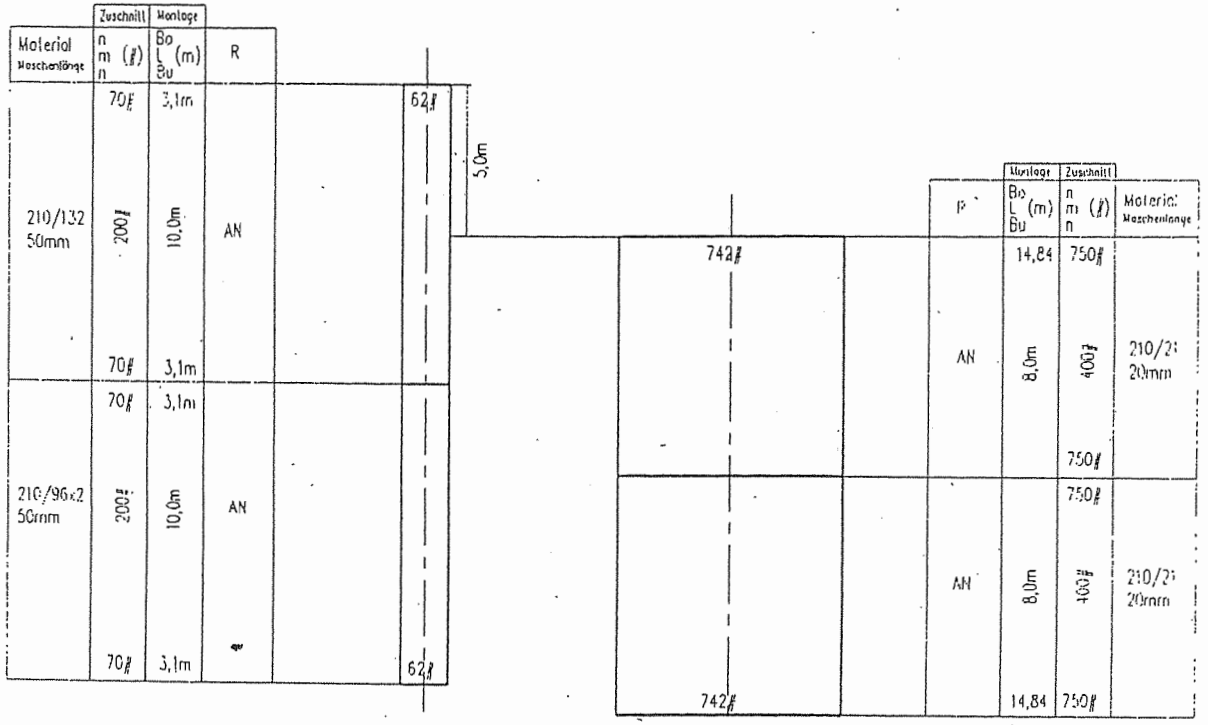
PSN 205m

Vorgeschirr und Kettengrundtau

Maßstab: o.M.

Blatt 4



Steert
4 Blätter

Einlage
1 Blatt

Umfang : U = 12,4m
Länge : Lges = 20,0m

Zust.	Änderung	Datum	Name

	Datum	Name
Bearb.:	01.04.98	Pahnke
Gepr.:		

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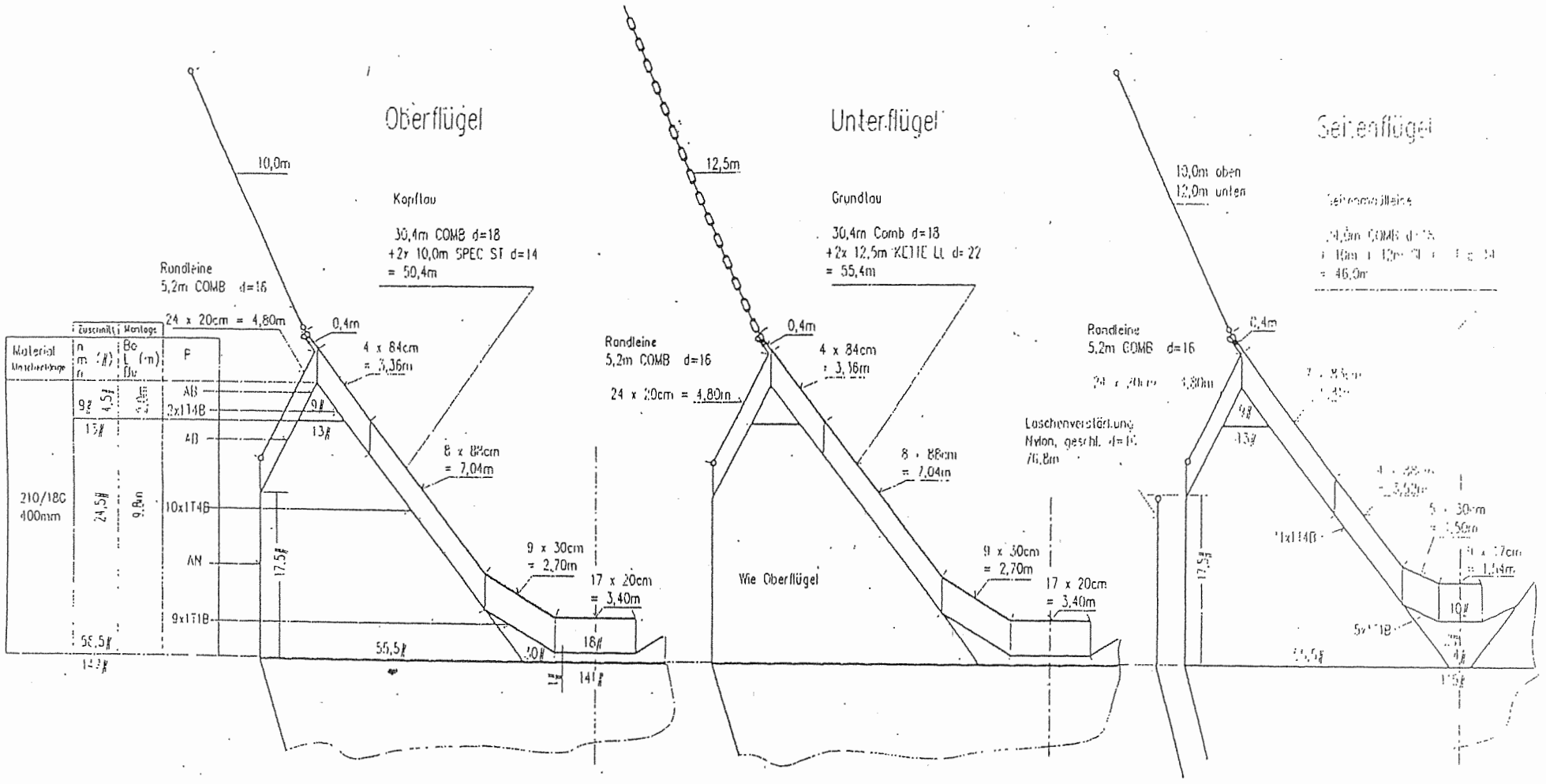
PSN 205m
Heringssteert

Maßstab 1 : 250

Blatt 3
4 Bl.



Zust.	Änderung	Datum	Name
	A	06.07.98	

	Datum	Name
Bearb.:	01.04.98	Rihse
Gepr.:		

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PSN 205m

Einzelheit Flügel

Maßstab 1 : 250

Blatt 2
4 Bl.