

UK

NOTIFICATION OF PROPOSED RESEARCH CRUISE

PART A. GENERAL

- 1. NAME OF RESEARCH SHIP *FFS "Walther Herwig III"* CRUISE NO. *WH 321*
- 2. DATE OF CRUISE FROM *26.03.2009* TO *16.04.2009*
- 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 deputy*

NUMBER OF CREW *21*
- 7. SCIENTIFIC PERSONNEL NAME AND ADDRESS OF *Ines Lehmann*

SCIENTIST - IN - CHARGE *MRI - ISQMF
Palmaille 9
D 22767 Hamburg*

Tel./FAX No. *+49 40 38905-153 / +49 40 38905-262*

NUMBER OF SCIENTISTS *10-12*
- 8. GEOGRAPHICAL AREA IN WHICH SHIP WILL OPERATE (with reference in latitude and longitude): North Sea,
53°N-63°N, 9°30'W-10°E
- 9. BRIEF DESCRIPTION OF PURPOSE OF CRUISE:
*Sampling of fish species for composition and trace element analysis on shore, storage experiments for quality and microbiological assessment
Underwater video observation of fishing trawls*
- 10. DATES AND NAMES OF INTENDED PORTS OF CALL: *Aberdeen, 28.03.09 + 03.04.09*
- 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: *WH 321*
2. DATES OF CRUISE FROM *26.03.2009* TO *16.04.2009*

3. a) PURPOSE OF RESEARCH

*Investigations of quality parameters during storage of fish and fillets, prevalence of nematodes, sampling of fish material for organic trace analysis, iodine content, compositions etc.
Underwater video observation of fishing trawls using a towed ROV-System*

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

bottom trawl (see attached drawing)

pelagic trawl (see attached drawing)

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

The areas to be investigated depend on the fish distribution during the cruise. Thus, no cruise tracks, or fishing positions can be fixed in advance

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

All commercial species, deep Sea species e.g. herring, mackerel, horse mackerel, saithe,, 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 quantities: 20-200 kg of each 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
- (b) CHEMICAL CONTENT (& formula) Aceton, Ethanol, Isooctane
- (c) IMO IMDG CODE Reference & UN No. 3,1/II UN1090, 3,2/II UN1170 / 3,2/II UN
- (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 304. Walther Herwig III 20.09.07 – 02.10.07

Cruise 311. Walther Herwig III 16.04.08 – 29.04.08

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

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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.

./.

10. STATE:

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

YES / NO

(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

NO

(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 6 weeks after the trip

PART-C: SCIENTIFIC EQUIPMENT

COASTAL STATE *United Kingdom*

COMPLETE THE FOLLOWING TABLE
SEPARATE COPY FOR EACH COASTAL STATE

PORT CALL *Aberdeen*

DATES: 28.03.09 + 03.4.09

INDICATE „YES“ OR „NO“

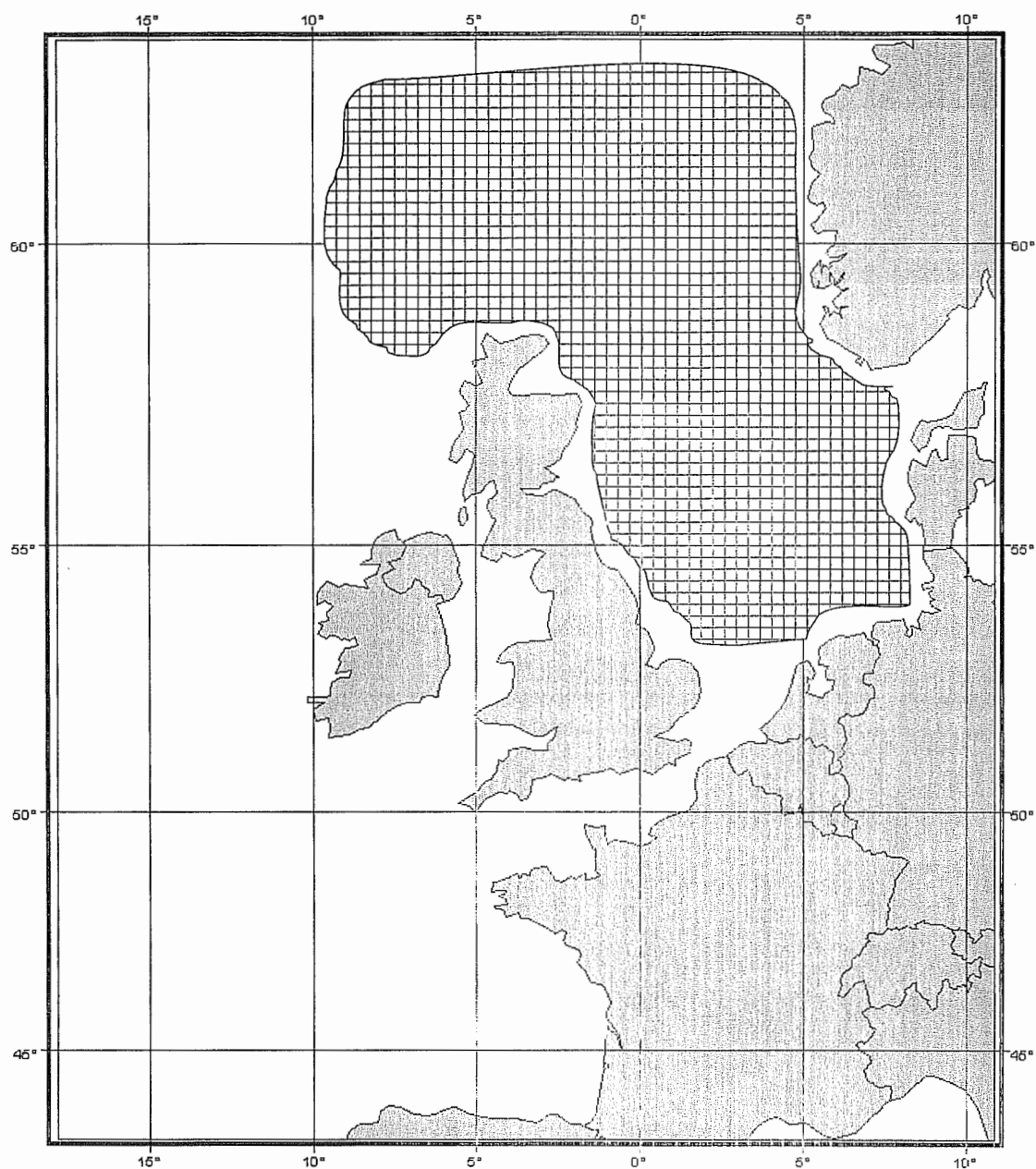
<u>LIST OF SCIENTIFIC WORK BY FUNCTION</u> e.g. Magnetometry Gravity,Diving Seismics Bathymetry Seabed sampling Trawling Echo sounding Water sampling U / W TV Moored instruments Towed instruments	Water Column including Sediment Sampling of the Seabed	Fisheries Research within Fishing Limits	Research 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
	no	yes	no	yes	yes	yes

Jns W

Dated 29.08.2008

(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

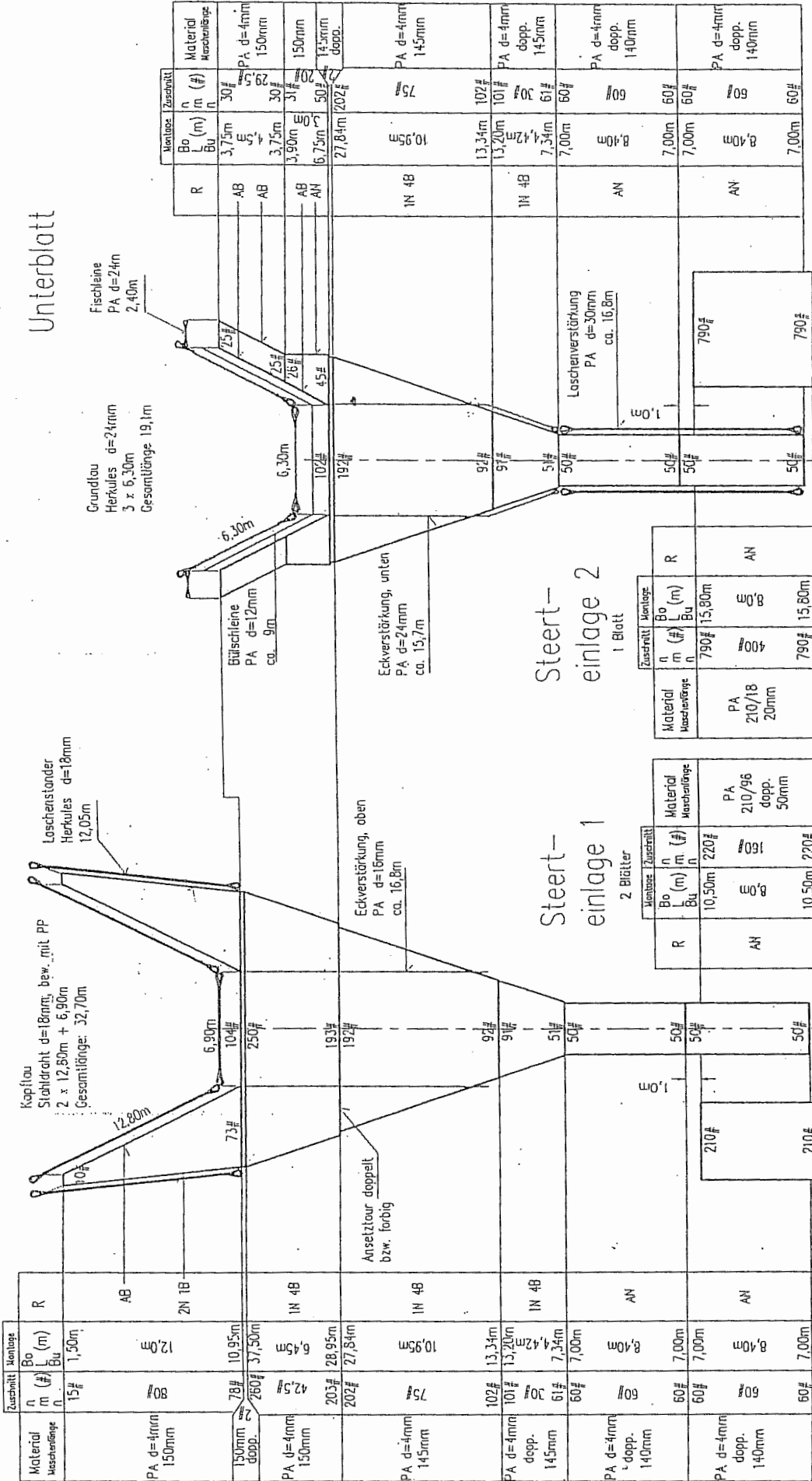


Area of investigation

cruise No. 321 W.H.III

Variable stations of fishing depending on occurrence of fish species

Unterblatt



140luss4.skd

140-Fuß-Netz

Datum		Name	
Bearb.:	08.01.02	Reihe	
Gepr.:			
Bauabfertigungsart für Fischer			
Inst. für Fischer-Technik			
Maßstab			
1 : 400			
Blatt 1			
6 Bl.			

Gesamtlänge, ohne Steert : 34,1m

Gestreckter Umfang : $386\frac{2}{3} \times 0,15\text{m} = 57,9\text{m}$

Steert-einlage 2
1 Blatt

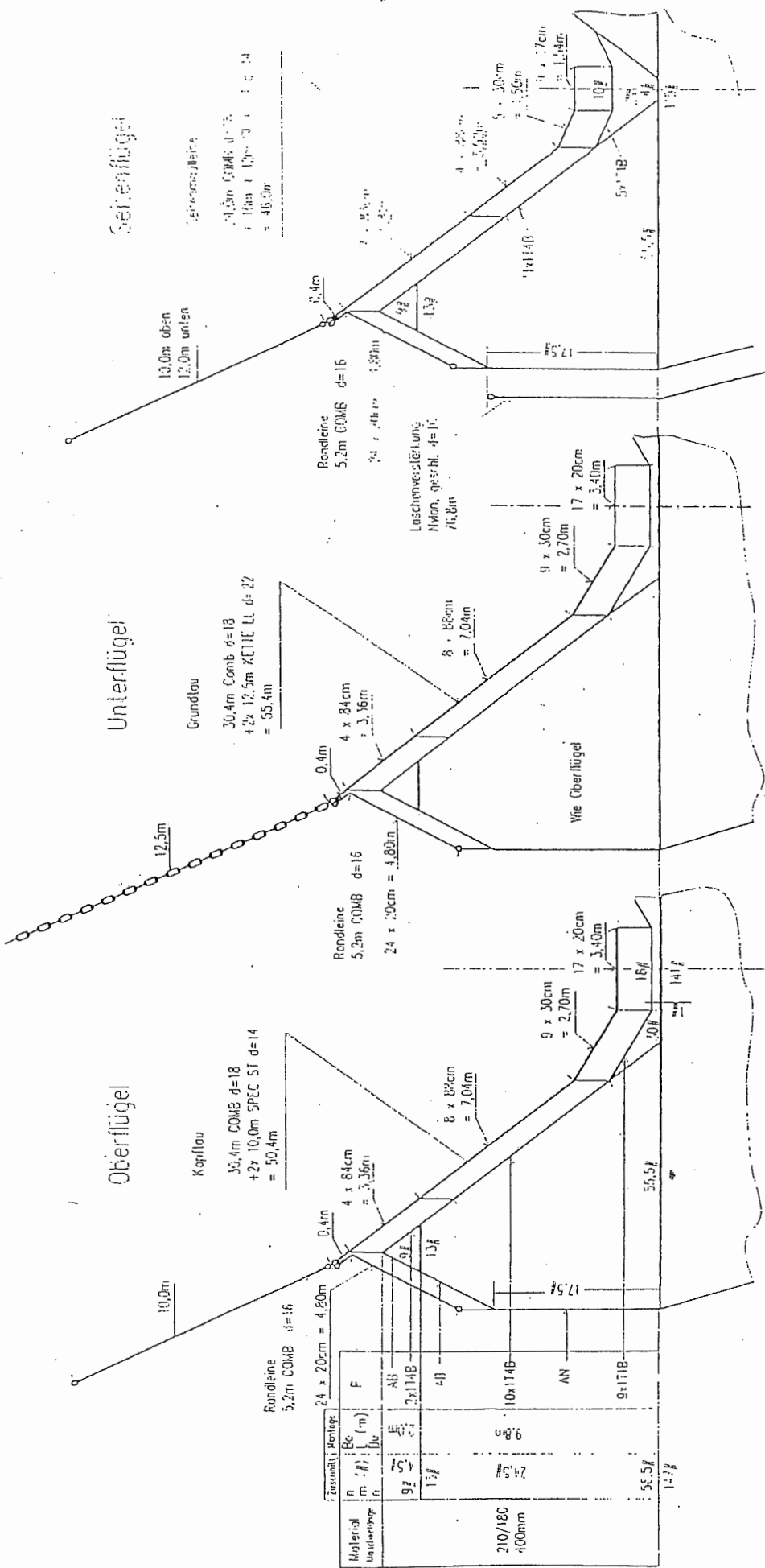
Zuschmittl. Menge		Material	
n	m (#)	Material	Meschlänge
790#	15,90m	PA	210/18
400#	8,0m		20mm

Steert-einlage 1
2 Blätter

Zuschmittl. Menge		Material	
n	m (#)	Material	Meschlänge
160#	220#	PA	210/96
8,0m	10,50m		dopp.
			50mm

Zuschmittl. Menge		Material	
n	m (#)	Material	Meschlänge
210#	7,00m	PA d=4mm	dopp.
			140mm

Zuschmittl. Menge		Material	
n	m (#)	Material	Meschlänge
60#	7,00m	PA d=4mm	dopp.
			140mm



PSN 205m		Einzelheit Flügel	
Beerb.: 01.04.92		Datum Name	
Gepr.:		Name	
Bundlerschreibweise für Fischerel Institut für Fischereiforschung		Maßstab	
1 : 250		Blatt	
A		1 Bl.	
Zust.	Änderung	Datum	Name
		06.07.92	

Material Bestandslänge	Zuschritt		Montest		R
	n (#)	Bo (m)	n (#)	Bo (m)	
210/132 50mm	70#	3,1m	200#	10,0m	AN
210/96x2 50mm	70#	3,1m	200#	10,0m	AN
	70#	3,1m	200#	10,0m	

P	Montest		Zuschritt		Metric. Bestandslänge
	n (#)	Bo (m)	n (#)	Bo (m)	
	70#	3,1m	200#	10,0m	210/2: 20mm
	70#	3,1m	200#	10,0m	210/2: 20mm
	70#	3,1m	200#	10,0m	

Steert
4 Blätter

Einlage
1 Blatt

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

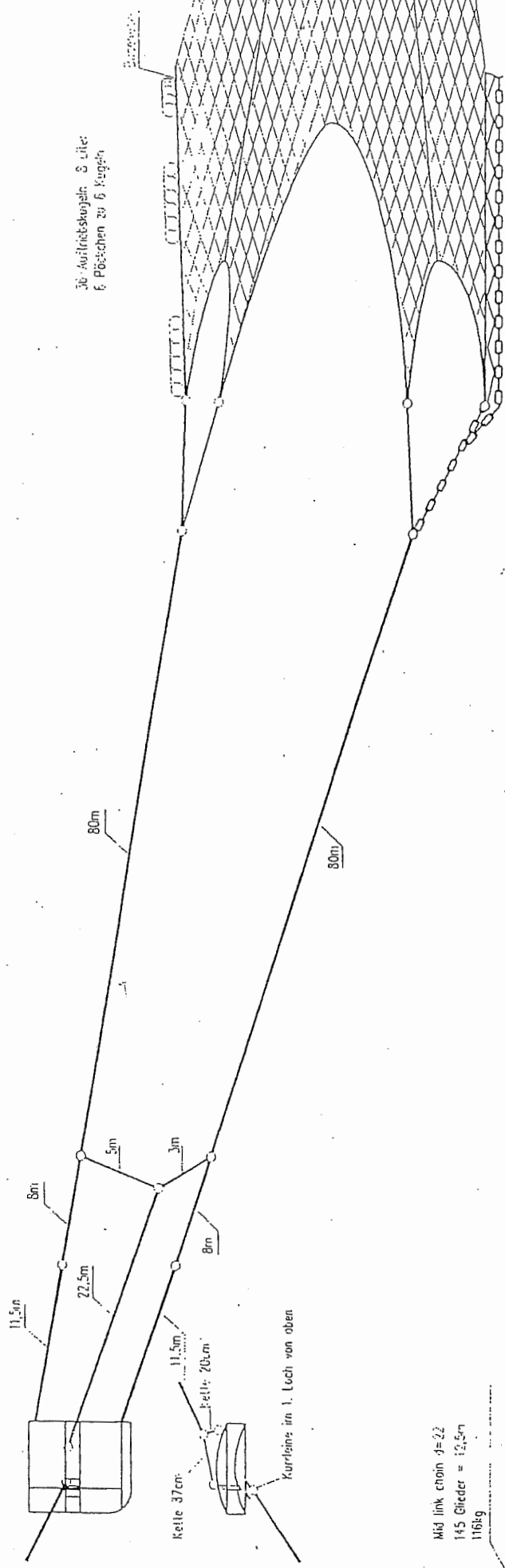
Datum		Name	
Bearb.:	01.04.98	Bil.	
Gepr.:			
Bundesforschungsanstalt für Fischerei Institut für Fischereitechnik			
Zust.	Anderung	Datum	Nomen

PSN 205m
Heringsteert

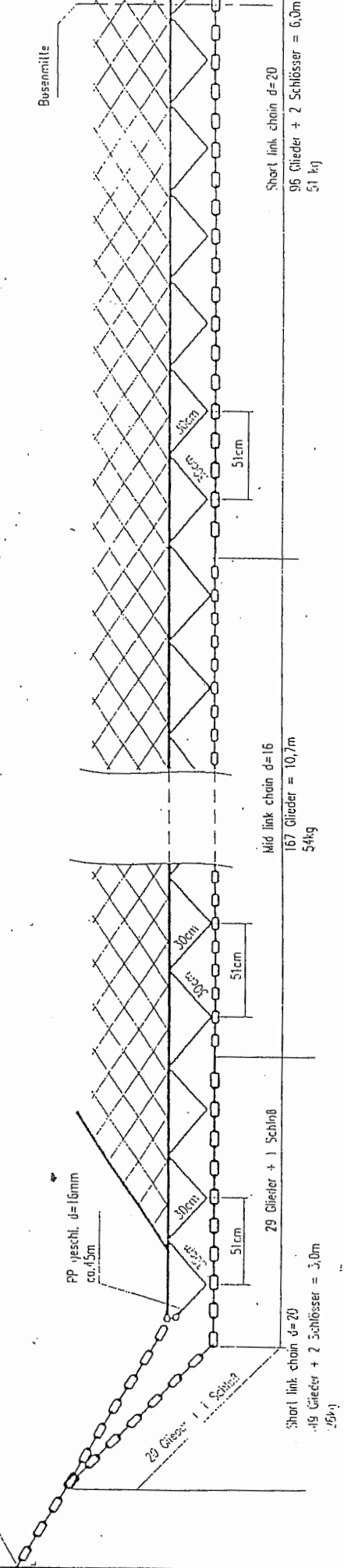
Maßstab
1 : 250

Blatt 3
: Bl.

Schreibzettel: Hydrogen 36/7
3,34 Quadratmeter



Mid link chain $\phi=22$
145 Glieder = 12,5m
116kg

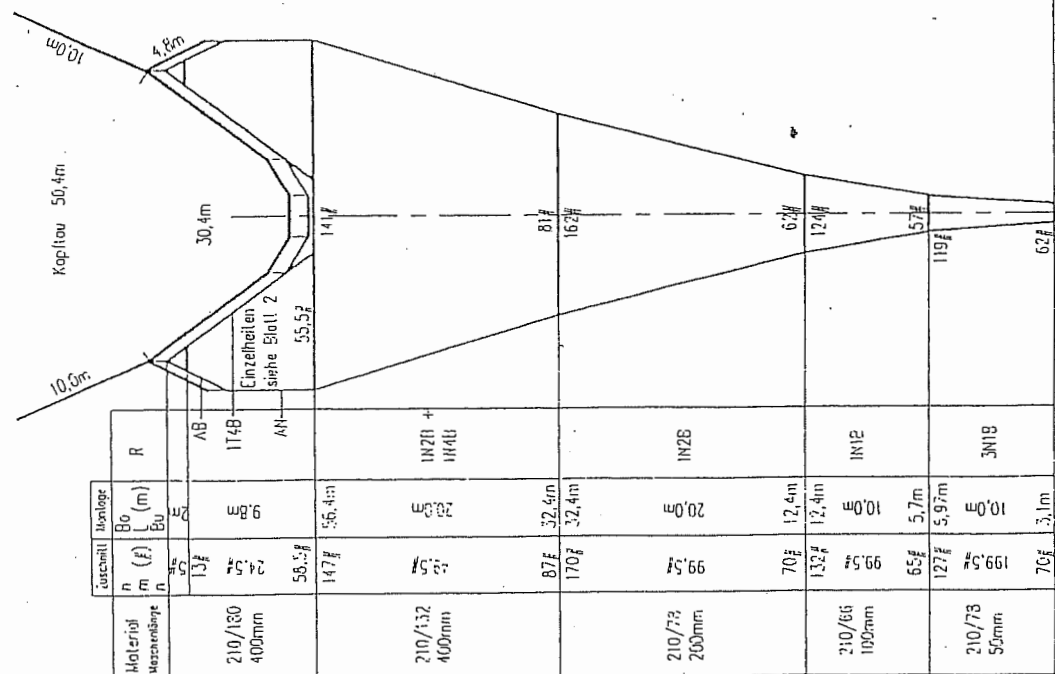


Vergewicht:
Kettengrundlar: $2 \times (116kg + 28kg) = 284kg$
 $2 \times 54kg + 51kg = 159kg$
Gesamtpgewicht: = 443kg (1,43t)

PSN 205m		Blatt 4	
Vorgeschirr und Kettengrundlar		0.M.	
Beerb.: 01.04.98		Mozzlab	
Gepr.:		Bundesforschungsanstalt für Fischerei	
Schreibzettel: 36.7.98		Institut für Fischereitechnik	
A		Datum	
Zust. Änderung		orne	

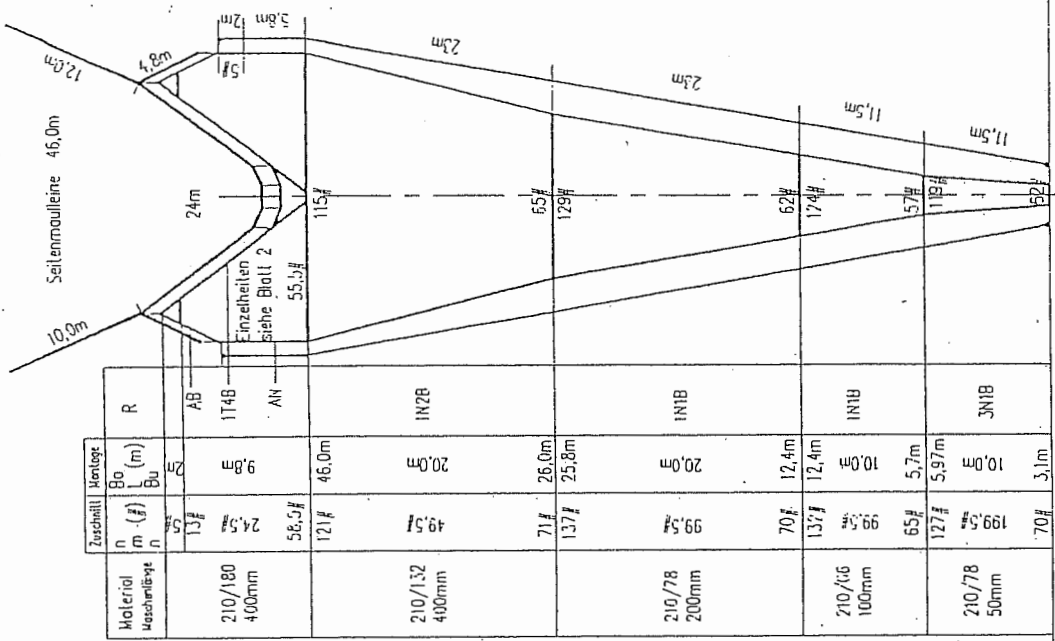
Auß. - stl: Jk x FN = 2.5KH

Oberblatt



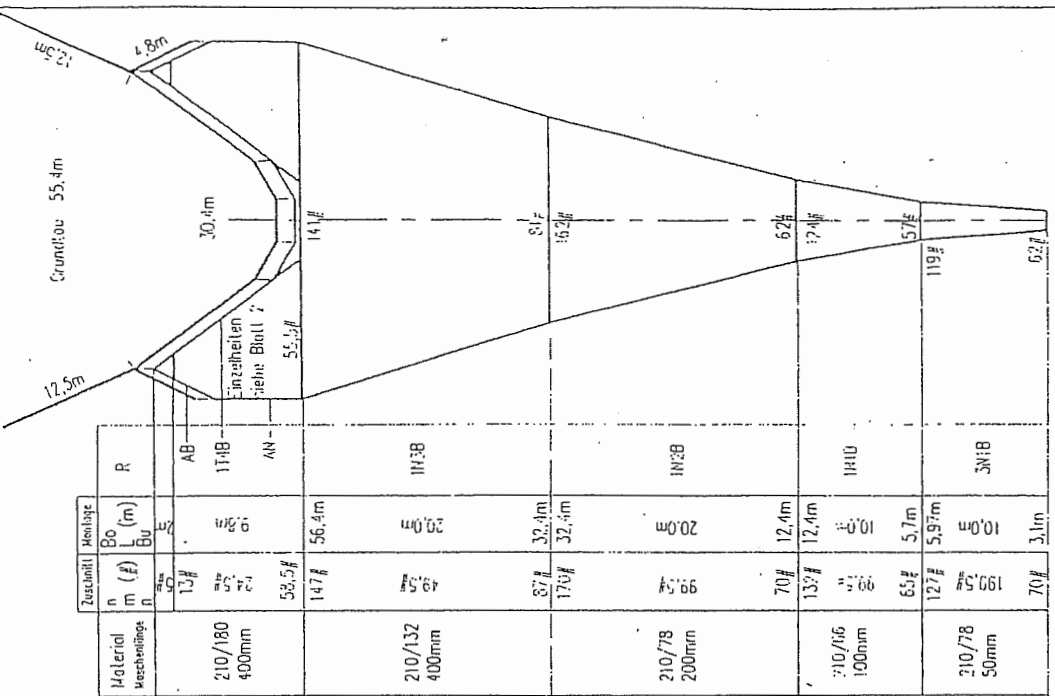
Material Maschenweite	Zuschneitl		R
	n m (#)	Bo L (m) Bu	
210/180 400mm	13# 24.5#	9.8m	AB 114B AN
210/132 400mm	58.5# 147#	56.4m	
210/78 200mm	87# 170#	32.4m 32.4m	IN2B + IH4B
210/66 190mm	99.5# 132#	20.0m	IN2B
210/78 50mm	70# 127#	12.4m 5.7m	IN1E 3N1B
	70#	3.1m	

Seitenblatt



Material Maschenweite	Zuschneitl		R
	n m (#)	Bo L (m) Bu	
210/180 400mm	13# 24.5#	9.8m	AB 114B AN
210/132 400mm	58.5# 121#	46.0m	
210/78 200mm	71# 137#	26.0m 25.8m	IN2B IN1B
210/66 190mm	99.5# 137#	20.0m	IN1B
210/78 50mm	70# 127#	12.4m 5.7m	IN1B 3N1B
	70#	3.1m	

Unterblatt

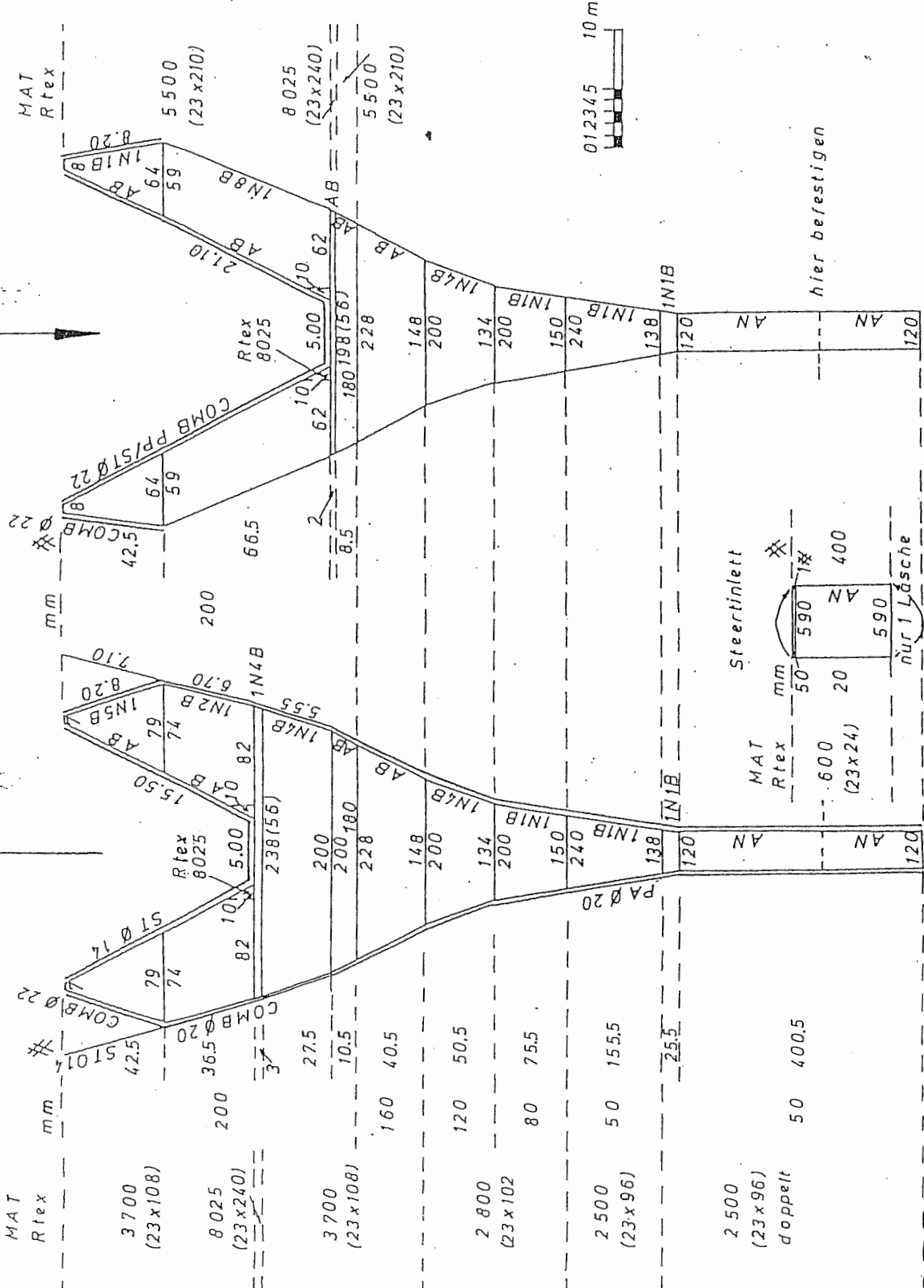


Material Maschenweite	Zuschneitl		R
	n m (#)	Bo L (m) Bu	
210/180 400mm	13# 24.5#	9.8m	AB 114B AN
210/132 400mm	58.5# 147#	56.4m	
210/78 200mm	87# 170#	32.4m 32.4m	IN3B IN3B
210/66 190mm	99.5# 137#	20.0m	IN4D
210/78 50mm	70# 127#	12.4m 5.7m	IN4D 3N1B
	70#	3.1m	

Gesamtlänge: L ges = 84,3m
Umlänge U = 205m (Entsprechend 1025 Maschen ø=100mm)

PSN 205M
für FFS Walther Herwig III

Bezm.	10.04.98	10.04.98	
Gepr.			
Datum			
Rev.			
Zust.	A	05.07.98	Datum
Ansetzung			
Baubehörungssatz für Fischer d Inhalt für Fischerzahl			Maßstab
			1 : 600
			Blatt I
			4 Bl.



Maßstab 1:350		Standardnetze BFA für Fischerei	
Bezeichnung	Datum	Name	
25.11.92	25.11.92	Fischer	
Druck	Norm		
25.11.92			
"GOV - GSN"			
nach einem Entwurf des JSTPM, Boulogne			Blatt
entsprechend ICES C.M. 1992/B:39			I
Zust.	Änderung	Datum	Name

