

NOTIFICATION OF PROPOSED RESEARCH CRUISE

PART A: GENERAL

1. NAME OF RESEARCH SHIP FRV Walther Herwig III CRUISE NO. 311
2. DATE OF CRUISE FROM 16.04.08 TO 29.04.08
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 "Walther Herwig III"</u> |
| <u>NATONALITY</u> | <u>German</u> |
| <u>OVERALL LENGHT</u> | <u>64.5 METRES</u> |
| <u>MAXIMUM DRAUGHT</u> | <u>6.2 METRES</u> |
| <u>NETT TONNAGE</u> | <u>approx. 2100 BRZ</u> |
| <u>PROPULSION</u> | <u>DIESEL ELECTRIC</u> |
| <u>CALL SIGN</u> | <u>DBFR</u> |
- REGISTERED PORT & NUMBER
(if registered fishing vessel) -
6. CREW
- | | |
|-----------------------|-----------------------------|
| <u>NAME OF MASTER</u> | <u>J. Vandrei or deputy</u> |
| <u>NUMBER OF CREW</u> | <u>21</u> |
7. SCIENTIFIC PERSONNEL
- | | |
|--------------------------------|---|
| <u>SCIENTIST - IN - CHARGE</u> | <u>Dipl. Biol. H. Wienbeck</u> |
| <u>NAME AND ADDRESS OF</u> | <u>Johann Heinrich von Thünen-Institut (vTI)</u>
<u>Bundesforschungsinstitut für Ländliche</u>
<u>Räume, Wald und Fischerei</u>
<u>Institut für Ostseefischerei (OF)</u>
<u>AG Fischereitechnik</u>
<u>Palmaille 9, D-22767 Hamburg, Germany</u> |
| <u>TEL. / TELEX / FAX NO.</u> | <u>+49 40 38905-182</u> <u>+494038905-264</u> |
| <u>NUMBER OF SCIENTISTS</u> | <u>12</u> |
8. GEOGRAPHICAL AREA IN WHICH SHIP WILL OPERATE (with reference in Latitude and Longitude) :
53,5°00'N-62°00'N; 2°W-4°E (see map attached)
9. BRIEF DESCRIPTION OF PURPOSE OF CRUISE :
Fishery Gear Research for the standardisation of survey trawl design (GOV). Selection experiments with the covered codend method. Testing of Scanmar Net Sensors and an UW-Video Recording System for the observation of trawl selectivity. Small scale fish feeding ecology studies.
10. DATES AND NAMES OF INTENDED PORTS OF CALL :
Aberdeen, Kirkwall, date not fixed, depending on work schedule
11. ANY SPECIAL REQUIREMENTS AT PORTS OF CALL :
None

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PART B: GENERAL

1. NAME OF RESEARCH SHIP *Walther Herwig III* CRUISE NO. *311*
2. DATES OF CRUISE FROM.....*16.04.08...* TO*29.04.08.....*
3. a) PURPOSE OF RESEARCH

The cruise is part of the national program for checking the catch efficiency and trawl design for the standard trawls used for survey investigations. Selection experiments using a small mesh cover will be supplemented by measurements with net sensors and the use of a net attached video recording system. Coupled to the gear research, small scale studies of the feeding behaviour and diet selection of predatory fish will be conducted in association with oceanographic CTD measurements.

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

For bottom fishing the trawl net "Grande Overture General" (GOV) will be used. For dimensions and mesh size look at the attached net drawing. CTD casts for oceanographic measurements.

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 specific areas to be investigated depend on the larger scale fish distribution, the local size structure of the fish community, as well as weather conditions. Thus, no fishing stations can be determined in advance, and the cruise track provided is only tentative. The chart attached shows the marked ICES Statistical Rectangles, in which the research operations will be conducted. The main areas are East of British Isles and around the Orkney Islands.

5. a) TYPES OF SAMPLES REQUIRED e.g. Geological / Water / Plankton / Fish/ Radionuclide etc:

Small amounts of frozen fish samples for chemical, genetic and ecological investigations.

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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7. 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)

© IMO IMDG CODE Reference & UN No.)

(d) QUANTITY & METHOD OF STOWAGE ON BOARD

(e) IF EXPLOSIVES give date (s) of detonation *none*

- Method of detonation
- Position of detonation
- Frequency of detonation
- Depth of detonation
- Size of detonation planned

8. DETAIL & REFERENCE OF :

(a) ANY RELEVANT PREVIOUS / FUTURE CRUISES

First cruise of RV "Walther Herwig III" on this topic.

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

none

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:

PhD. R.S.T. Ferro, PhD. F Barry O'Neill, Mar.Lab, PO Box 101 375 Victoria Road Aberdeen, AB11 9DB

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.

If spare accommodation is available, the intended port of call is convenient according to previous agreement. Previous communication is required.

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 6 weeks after the trip

PART C: SCIENTIFIC EQUIPMENTCOASTAL STATE *United Kingdom*COMPLETE THE FOLLOWING TABLE
SEPARATE COPY FOR EACH COASTAL STATEPORT CALL Aberdeen, KirkwallDATE 16thApril.-05thApril 2008INDICATE „YES“ OR „NO“

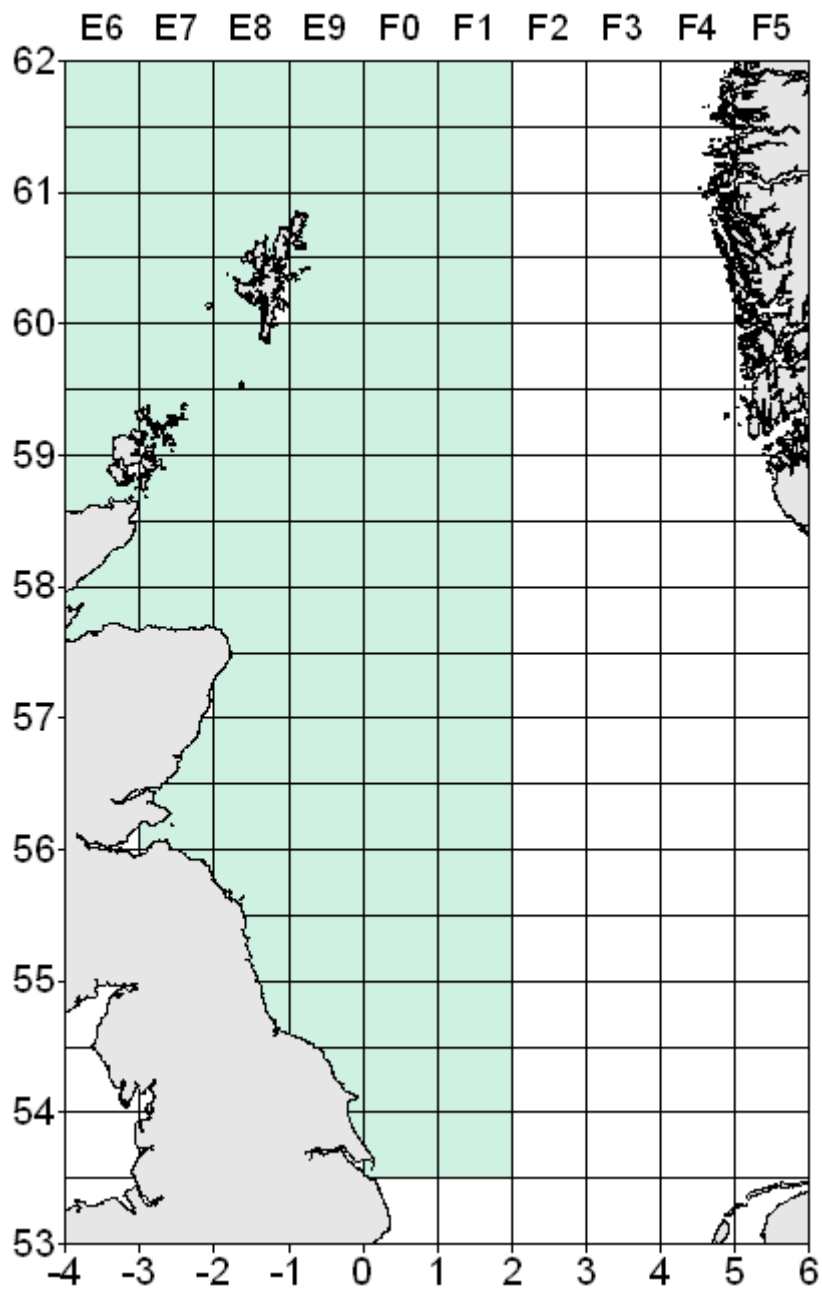
LIST OF SCIENTIFIC WORK BY FUNCTION e.g. MAGNETOMETRY GRAVITY, DIVING SEISMICS BATHYMETRY SEABED SAMPLING TRAWLING ECHO SOUNDING WATER SAMPLING U / W TV MOORED INSTRUMENTS TOWED INSTRUMENTS	WATER COLUMN INCLUDING SEDIMENT SAMPLING OF THE SEABED	FISHERIES RESEARCH WITHIN FISHING LIMITS	RESEARCH CONCERNING 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
U / W TV	inside the trawl	yes	no	yes	yes	no
CTD casts	surface to seabed	yes	no	yes	yes	no



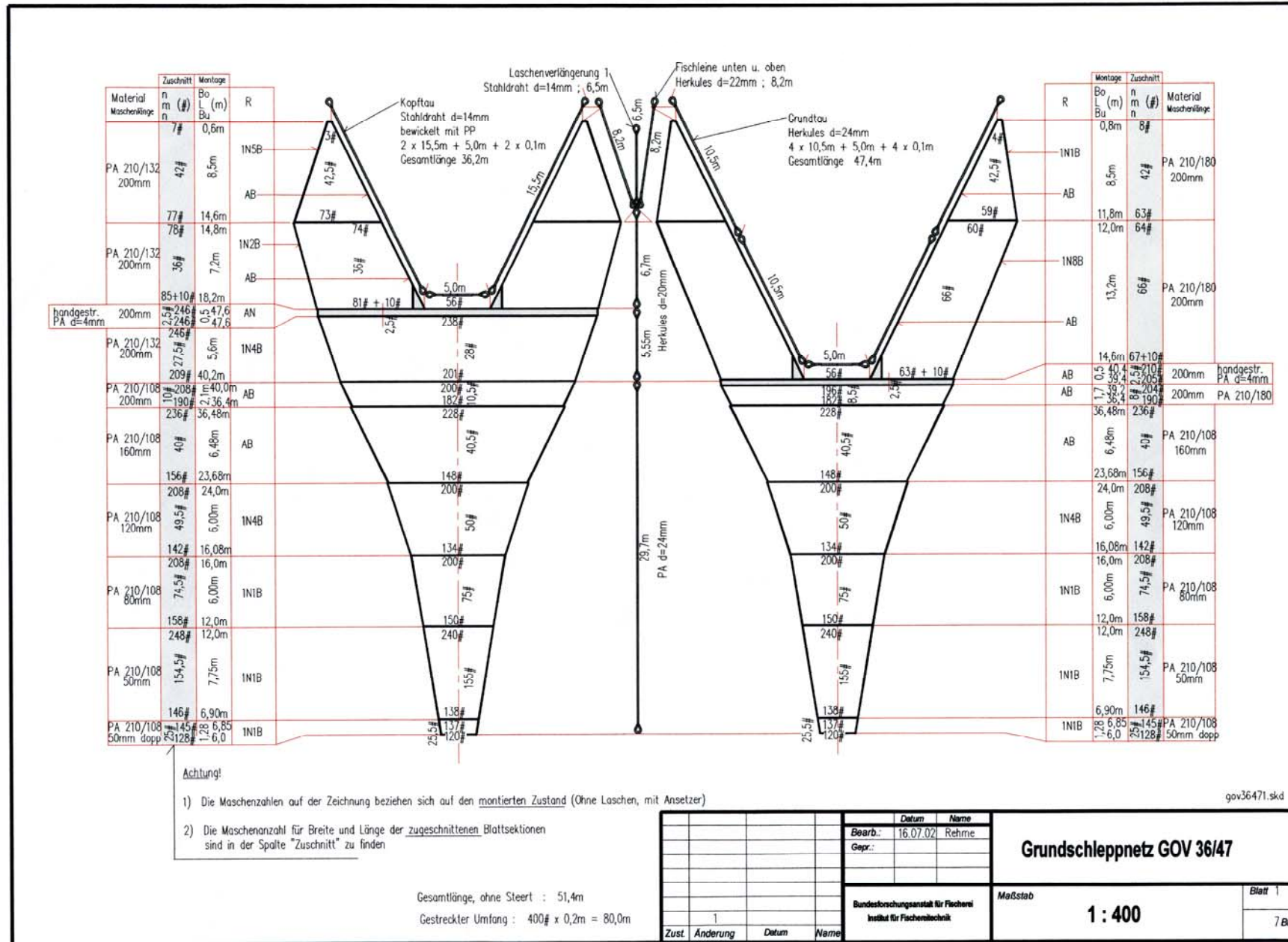
.....
(On behalf of the Principal Scientist)

Dated....07.02.2008

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



Blue shaded ICES Statistical Rectangles mark the area of investigation of the 311th cruise of WH III



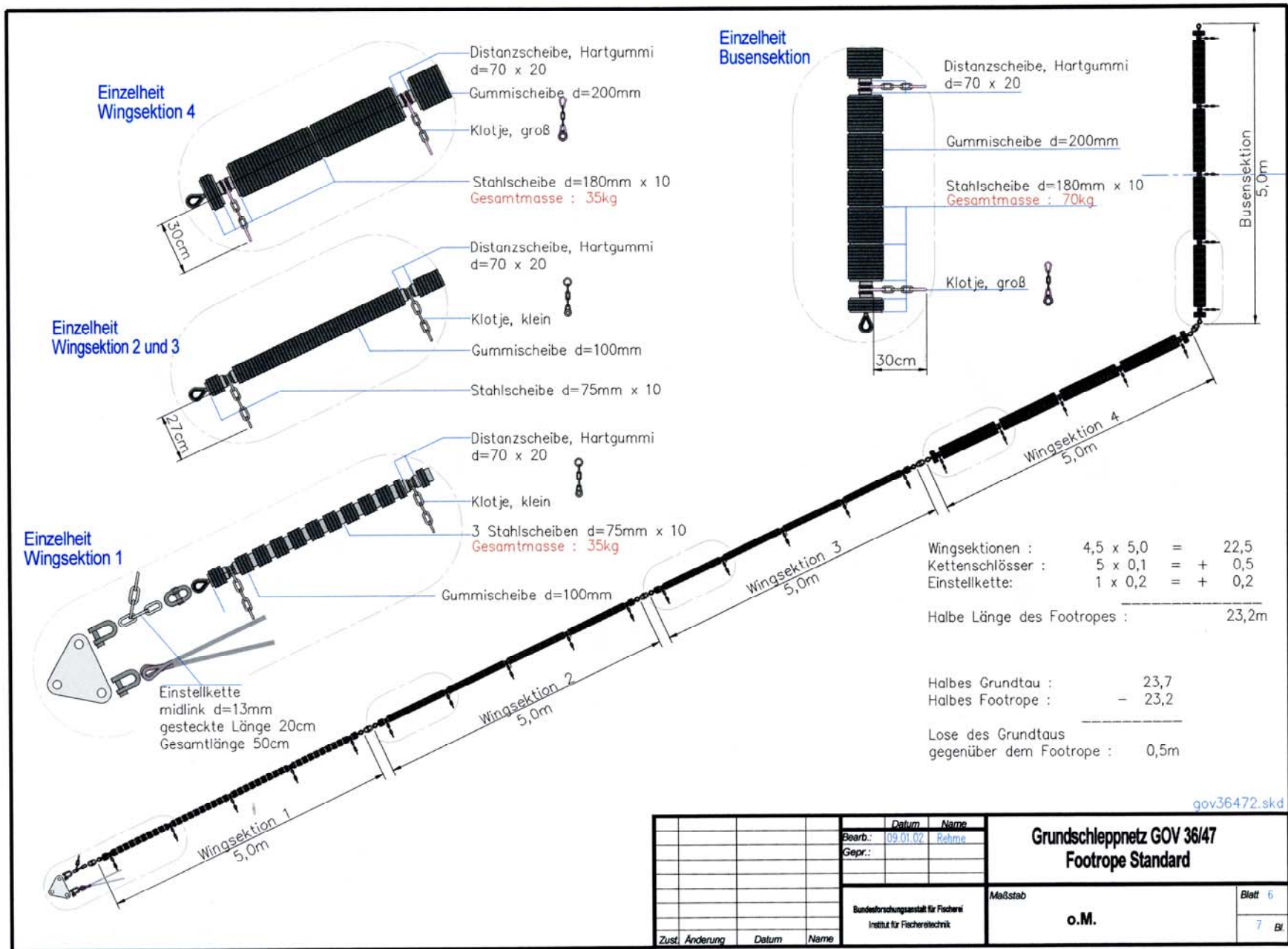
Achtung!

- 1) Die Maschenzahlen auf der Zeichnung beziehen sich auf den montierten Zustand (Ohne Laschen, mit Ansetzer)
- 2) Die Maschenanzahl für Breite und Länge der zugeschnittenen Blattsektionen sind in der Spalte "Zuschnitt" zu finden

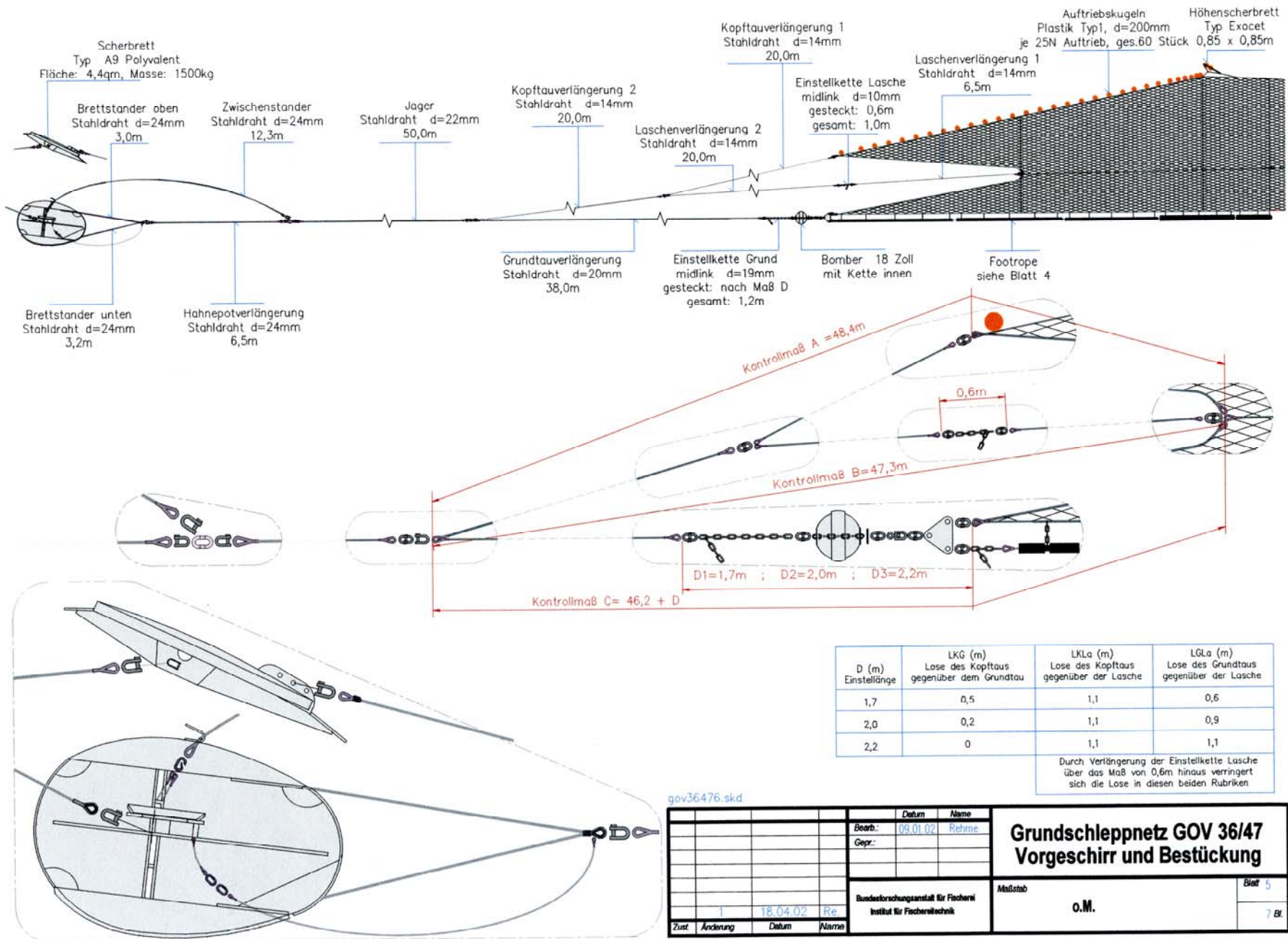
Gesamtlänge, ohne Steert : 51,4m
 Gestreckter Umfang : 400# x 0,2m = 80,0m

gov36471.skd

		Datum Name		Grundschieppnetz GOV 36/47		Maßstab 1 : 400		Blatt 1			
		Bearb.: 16.07.02 Rehme						Bundesforschungsanstalt für Fischerei Institut für Fischereitechnik		7 Bl.	
		Gepr.:									
Zust.	Änderung	Datum	Name								



		Datum	Name	Grundsleppnetz GOV 36/47 Footrope Standard
		Bearb.: 09.01.07	Rehrne	
		Gepr.:		
		Bundesforschungsanstalt für Fischerei Institut für Fischereitechnik		Maßstab
				o.M.
Zust.	Änderung	Datum	Name	Blatt 6 7 Bl.



D (m) Einstelllänge	LKG (m) Lose des Kopftaus gegenüber dem Grundtau	LKL (m) Lose des Kopftaus gegenüber der Lasche	LGL (m) Lose des Grundtaus 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

Durch Verlängerung der Einstellkette Lasche über das Maß von 0,6m hinaus verringert sich die Lose in diesen beiden Rubriken

gov36476.skd

	Datum	Name
Bearb.:	09.01.02	Rehme
Gepr.:		
Bundesforschungsanstalt für Fischerei Institut für Fischereitechnik		

Zust.	Änderung	Datum	Name

Grundschieppnetz GOV 36/47		Blatt 5
Vorgeschirr und Bestückung		7 Bl.
Maßstab	o.M.	