Application for Consent to conduct
Marine Scientific Research

Date: 15.05.2014

1. General Information

1.1 Cruise name and/or number: WH III 380, 01.-21.12.2014

1.2 Sponsoring Institution(s):	
Name:	Thünen Institute of Fisheries Ecology
Address:	Palmaille 9, 22767 Hamburg
Name of Director:	Dr. R. Hanel

1.3 Scientist in charge of the Project:	
Name:	Dr. Thomas Lang
Country:	Germany
Affiliation:	Thünen Institute of Fisheries Ecology
Address:	Deichstraße 12, 27472 Cuxhaven
Telephone:	+49 (0) 4721 38034
Fax:	+49 (0) 4721 53583
Email:	thomas.lang@ti.bund.de
Website (for CV and photo):	www.ti.bund.de

1.4 Entity(ies)/Participant(s) from coastal State involved in the planning of the project:	
Name:	
Affiliation:	
Address:	
Telephone:	
Fax:	
Email:	
Website (for CV and photo):	

2. Description of Project

2.1 Nature and objectives of the project:
Monitoring of the occurrence of fish diseases and biological effects of contaminants, OSPAR/HELCOM monitoring, Bottom trawling, hydrography

2.2 If designated as part of a larger scale project, then provide the name of the project and the Organisation responsible for coordinating the project:

2.3 Relevant previous or future research projects:
Cruise No. 317, RV Walther Herwig III, 28.11.2008 - 16.12.2008

2.4 Previous publications relating to the project:
Cruise Reports

3. Geographical Areas

3.1 Indicate geographical areas in which the project is to be conducted (with reference in Latitude and longitude in decimal degrees, including coordinates of cruise/track/way points/sampling stations). Please provide coordinates in a separate excel spreadsheet.
52,766667 – 56,700000 N / -2,166667 – 16,00000 E Locations of sampling areas in waters of the coastal State are shown on the map attached. Exact positions for trawling and hydrography within the sampling areas cannot be provided in advance because decisions on trawling positions are made flexibly based on echosounder findings and weather conditions.

3.2 Attach chart(s) at an appropriate scale (1 page, high-resolution) showing the geographical Areas of the intended work and, as far as practicable, the location and depth of sampling Stations, the tracks of survey lines, and the locations of installations and equipment.
See map attached

4. Methods and means to be used

4.1 Particulars of vessel:	
Name:	FRV Walther Herwig III
Type/Class:	
Nationality (Flag State):	German
Identification Number (IMO/Lloyds No.):	IMO 9048392
Owner:	Federal Republic of Germany
Operator:	Bundesanstalt für Landwirtschaft und Ernährung
Overall length (meters):	63,18 m
Maximum draught:	6,20 m
Displacement/Gross Tonnage:	639
Propulsion:	Diesel / Diesel Electric
Cruising & maximum speed:	13 knots
Call sign:	D B F R
INMARSAT number and method and capability of communication (including emergency frequencies):	
Name of Master:	Vandrei, Jürgen
Number of Crew:	21
Number of Scientists on board:	12

4.2 Particulars of Aircraft:	
Name:	
Make/Model:	
Nationality (flag State):	
Website for diagram & Specifications:	
Owner:	
Operator:	
Overall Length (meters):	
Propulsion:	
Cruising & Maximum speed:	
Registration No.:	
Call Sign:	
Method and capability of communication (including emergency frequencies):	

Name of Pilot:	
Number of crew:	
Number of scientists on board:	
Details of sensor packages:	
Other relevant information:	
4.3 Particulars of Autonomous Underwater Vehicle (AUV):	
Name:	
Manufacturer and make/model:	
Nationality (Flag State):	
Website for diagram & Specifications:	
Owner:	
Operator:	
Overall length (meters):	
Displacement/Gross tonnage:	
Cruising & Maximum speed:	
Range/Endurance:	
Method and capability of communication (including emergency frequencies):	
Details of sensor packages:	
Other relevant information:	

4.4 other craft in the project, including its use:

4.5 Particulars of methods, full description of scientific instruments to be used (for fishing gear specify type and dimension) and location			
Types of samples and Measurements:	Methods to be used:	Instruments to be used:	To be carried out within 12nm (yes or no):
Fish	Bottom Trawling	140’ bottom trawl (see attachment)	no
		GOV with rock hopper (see attachment)	no
Hydrography	CTD Measurement	CTD	no

4.6 Indicate nature and quantity of substances to be released into the marine environment:
none

4.7 Indicate whether drilling will be carried out. If yes, please specify:
no

4.8 Indicate whether explosives will be used. If yes, please specify type and trade name, Chemical content, depth of trade class and stowage, size, depth of detonation, frequency of Detonation, and position in latitude and longitude:
no

5. Installations and Equipment

Details of installations and equipment (including dates of laying, servicing, method and Anticipated timeframe for recover, as far as possible exact locations and depth, and Measurements):
none

6. Dates

6.1 Expected dates of first entry into and final departure from the research area by the research vessel and/or other platforms:
Although the sampling plan has to be made in a flexible way, e.g., depending on weather conditions and success of sampling, it is expected that WH III will enter waters of the coastal State in the second week of December and will depart 4 days later after having visited areas N22, N04, N05 and N06.
6.2 Indicate if multiple entries are expected:
no

7. Port Calls

7.1 Dates and Names of intended ports of call:
none

7.2 Any special logistical requirements at ports of call:
no

7.3 Name/Address/Telephone of shipping agent (if available):
none

8. Participation of the representative of the coastal State

8.1 Modalities of the participation of the representative of the coastal State in the research Project:
Participation is not possible because accommodation is not available.

8.2 Proposed dates and ports for embarkation/disembarkation:
01.12.2014 Bremerhaven for embarkation, 21.12.2014 Bremerhaven for disembarkation

9. Access to Data, Samples and Research Results

9.1 Expected dates of submission to coastal State of preliminary report, which should include The expected dates of submission of the data and research results:
No preliminary reports issued

9.2 Anticipated dates of submission to the coastal State of the final report:
31.06.2015 at the latest

9.3 Proposed means for access by coastal State to data (including format) and samples:
Direct contact to scientist in charge

9.4 Proposed means to provide coastal State with assessment of data, samples and Research results:
Direct contact to scientist in charge

9.5 Proposed means to provide assistance in assessment or interpretation of data, samples And research results:
Direct contact to scientist in charge

9.6 Proposed means of making results internationally available:
Publication, submission of data to the ICES Data Centre

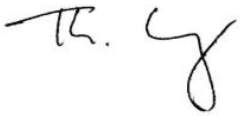
10. Other permits Submitted

10.1 Indicate other types of coastal state permits anticipated for this research (received or Pending):
none

11. List of Supporting Documentation

11.1 List of attachments, such as additional forms required by the coastal State, etc.:
Map Excel file with coordinates of sampling areas Gear specification forms

Signature:



Contact information of the focal point:

Name:	Dr. Thomas Lang
Country:	Germany
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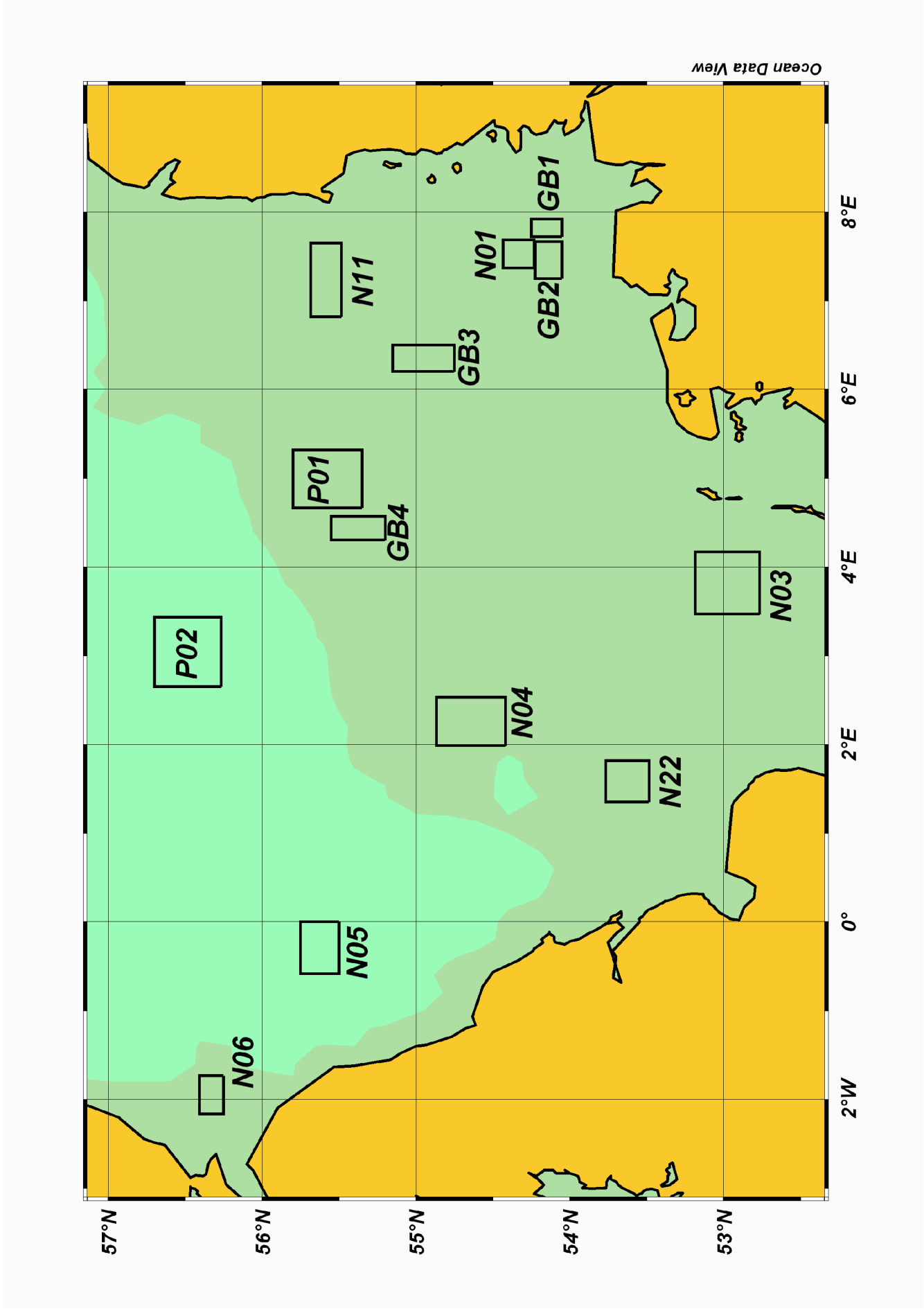
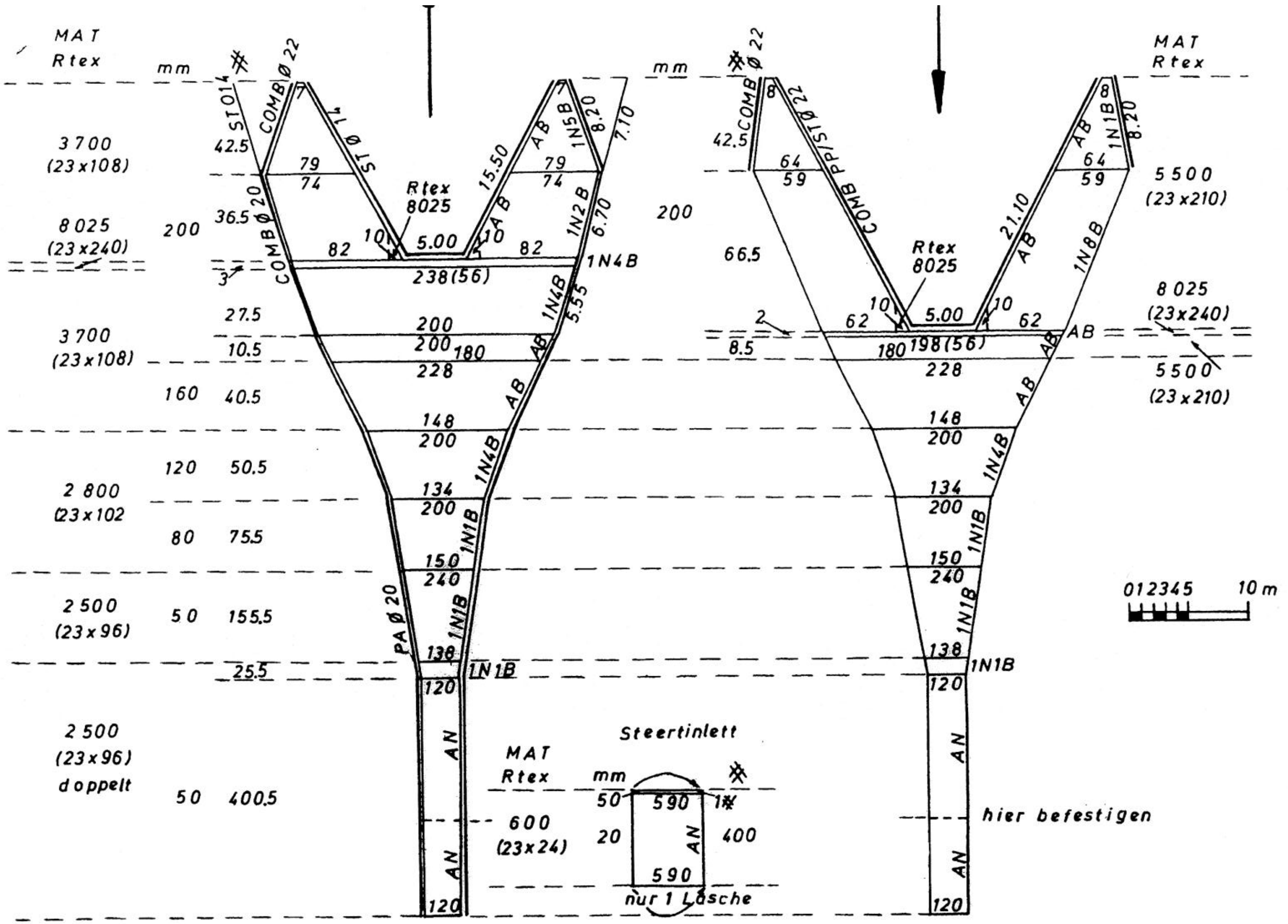
Fax:	+49 (0) 4721 53583
Email:	thomas.lang@ti.bund.de

Fig. 1: Cruise 380 FRV “Walther Herwig III”, 01.12.2014 - 21.12.2014,
Location of sampling sites, North Sea





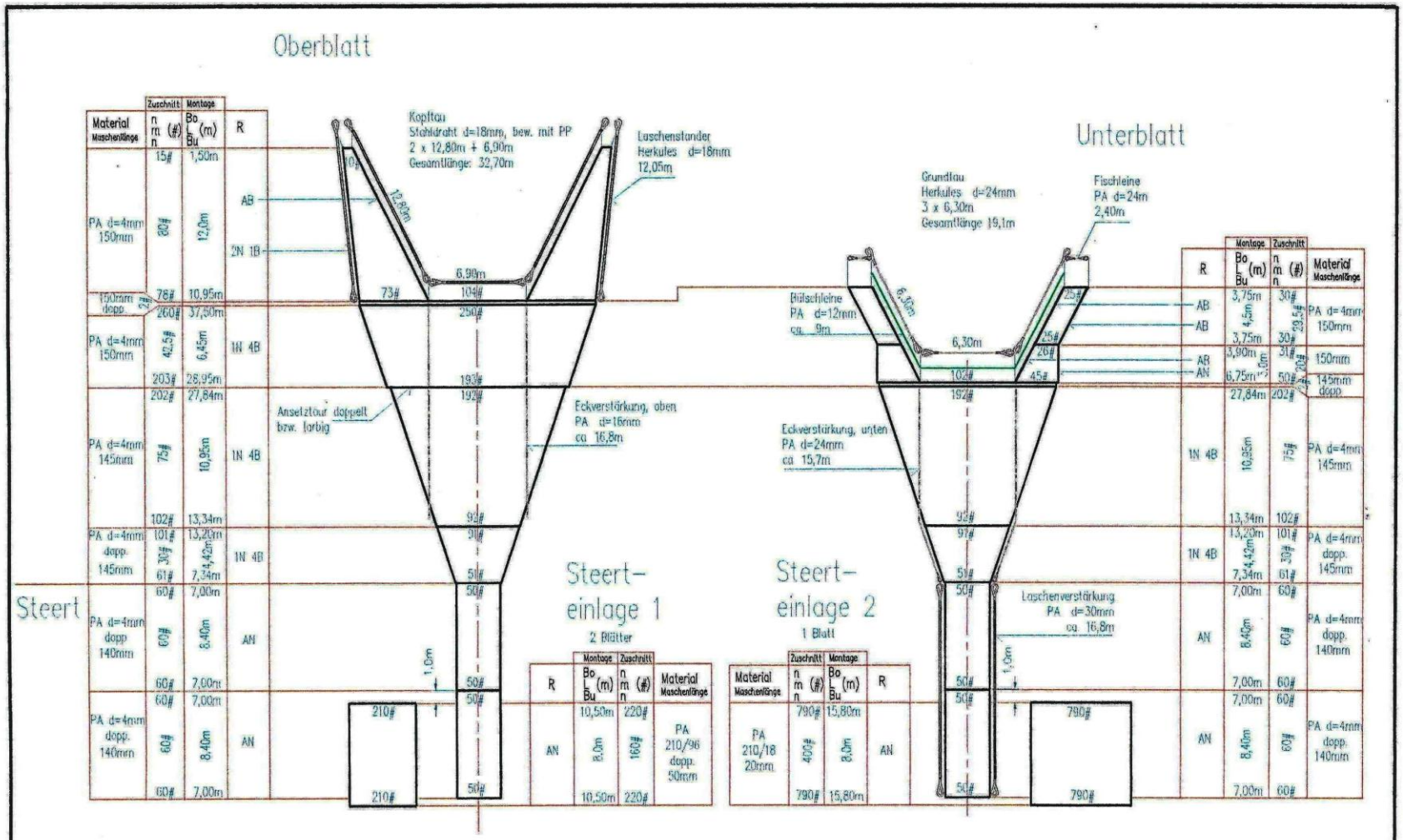
Maßstab	1:350	
	Standardnetze BFA für Fischerei	
	Datum	Name
Bearb.	25.11.92	[signature]
Gepr.	25.11.92	[signature]
Norm		

„GOV - GSN"

„nach einem Entwurf des JSTPM, Boulogne"
„entsprechend ICES C.M. 1992/B:39"

Blatt 1 Bl.

Zust.	Änderung	Datum	Name



Gesamtlänge, ohne Steert: 34,1m

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

140fuss4.skd

	Datum	Name
Bearb.:	08.01.02	Rehme
Gepr.:		

140-Fuß-Netz

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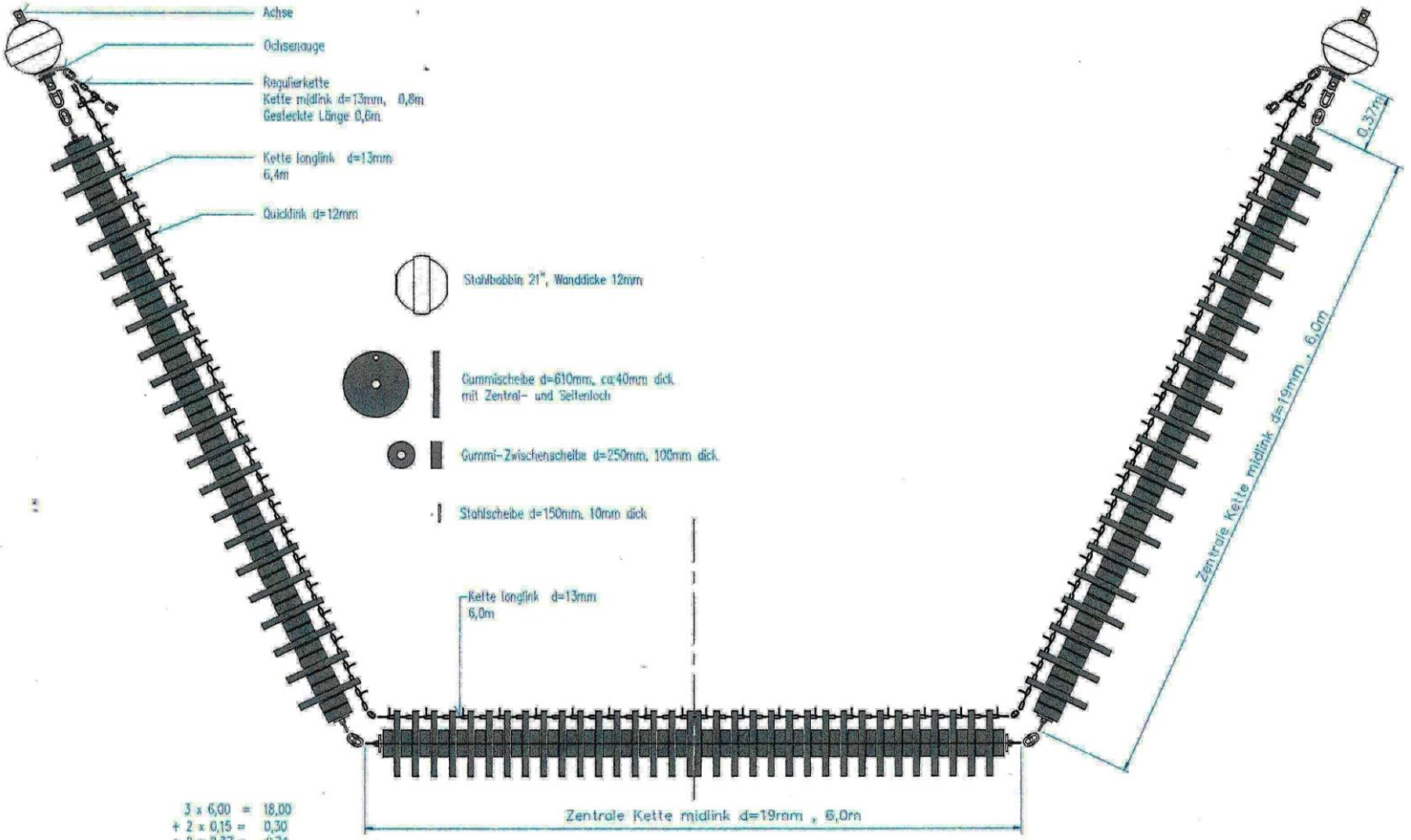
Institut für Fischereitechnik

Maßstab 1 : 400

Blatt 1
6 Bl.

Zust.	Änderung	Datum	Name



3 x 6,00 = 18,00
+ 2 x 0,15 = 0,30
+ 2 x 0,37 = 0,74

19,04 m = Länge des Footropes

Regulierkette + halbes Grundtau = 0,6 + 19,1 / 2 = 10,15
halbes Footrope = 19,04 / 2 = - 9,52

0,63 m = Lose des Grundtaus gegenüber dem Footrope

140fuss6.skd

Zust.	Änderung	Datum	Name

	Datum	Name
Bearb.:	08.01.02	Rehme
Gepr.:		

140-Fuß-Netz
Footrope 2:
Rockhopper

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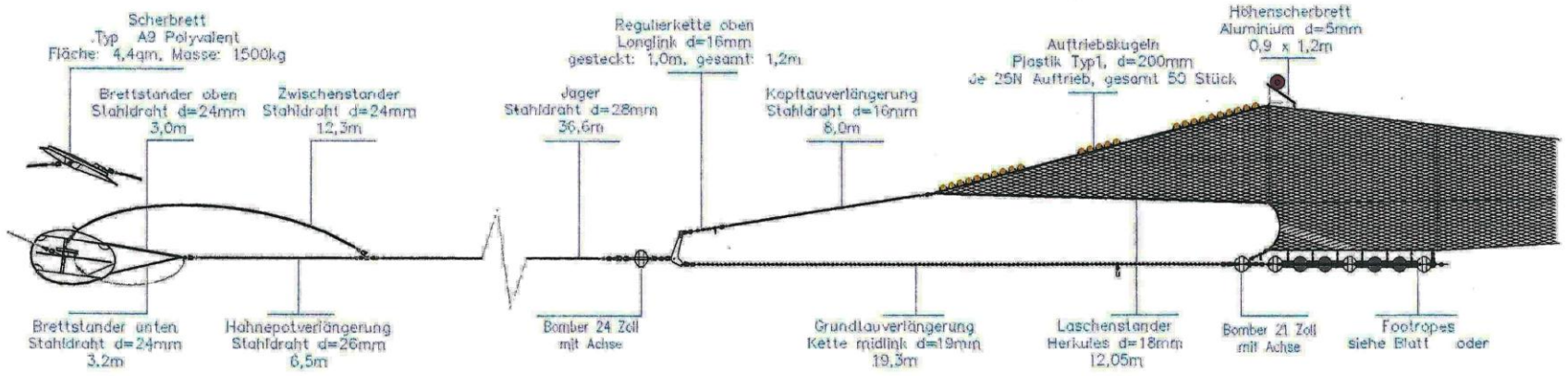
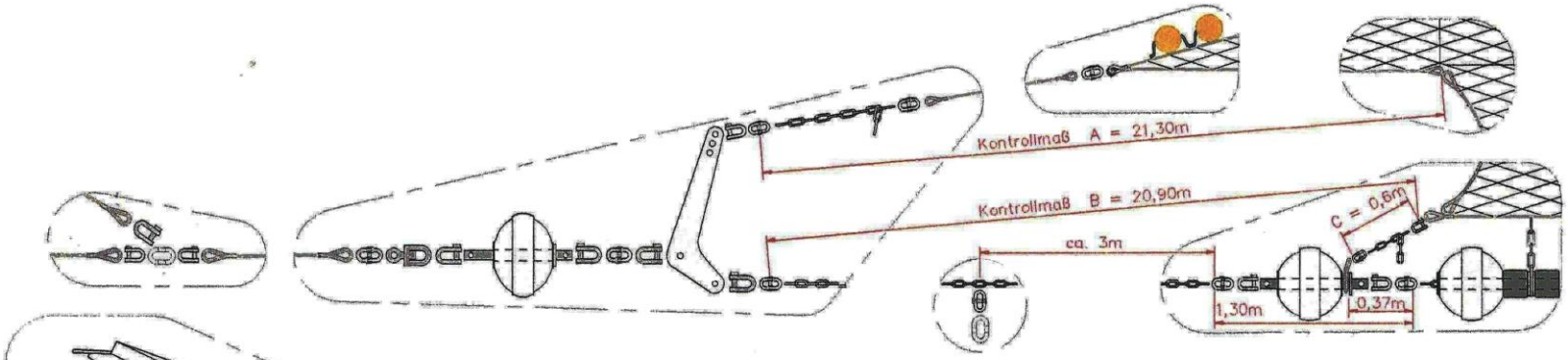
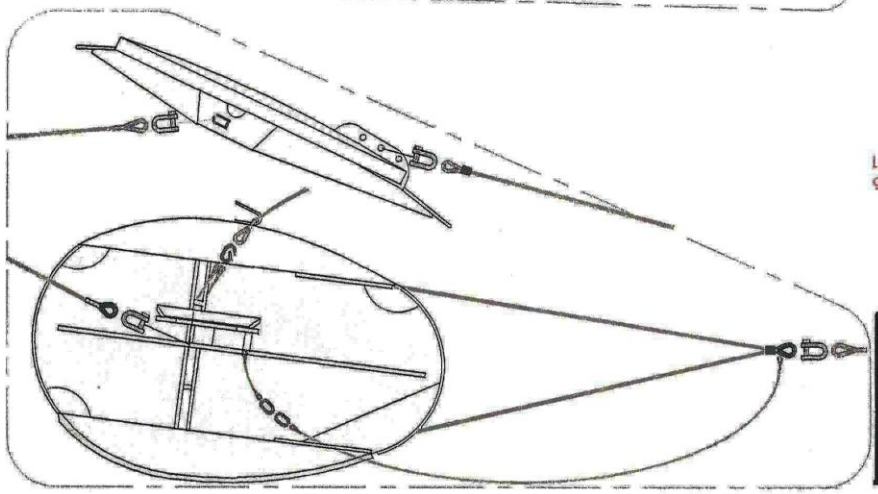
Maßstab: o.M.

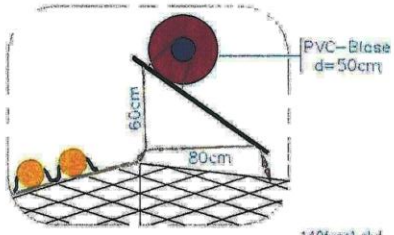
Blatt 6
6 Bl.







A = 21,30
− B = 20,90
Lose der Lasche gegenüber dem Grundtau = 0,40m



140fuss1.skd

Zust.	Änderung	Datum	Name

	Datum	Name
Bearb.:	08.01.02	Rehme
Gepr.:		

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Institut für Fischereitechnik

140-Fuß-Netz
Vorgeschirr und Bestückung
Variante mit Joch

Maßstab: o.M.

Blatt 3
6 Bl.