NOTIFICATION OF PROPOSED RESEARCH CRUISE UK

PART A: GENERAL

1. NAME OF RESEARCH SHIP: *WALTHER HERWIG III* Cruise No. *346*

2. DATES OF CRUISE: *31.08.2011 – 16.09.2011*

3. OPERATING AUTHORITY: *Bundesanstalt für Landwirtschaft und Ernährung*
Ref. 524
Haubachstr. 86, 22765 Hamburg (Germany)
Telephone +49 (0)40 306860 534
Telefax +49 (0)40 306860 555

4. OWNER (if different from Para 3) *Federal Republic of Germany*

5. PARTICULARS OF SHIP

NAME	*WALTHER HERWIG III*
NATIONALITY	*German*
OVERALL LENGTH	*64.50 m*
MAXIMUM DRAUGHT	*6.20 m*
NETT TONNAGE	*639*
PROPULSION	*Diesel/Diesel Electric*
CALL SIGN	*D B F R*
REGISTRATION PORT & NUMBER (if registered fishing vessel)	

6. CREW

NAME OF MASTER	*Vandrei, Jürgen*
NUMBER OF CREW	*21*

7. SCIENTIFIC PERSONNEL

NAME AND ADDRESS OF SCIENTIST IN CHARGE	*Dr. Thomas Lang* *vTI-FOE* *Deichstr. 12* *27472 Cuxhaven (Germany)*
TELEPHONE NO.	*+49 (0)4721 38034*
TELEFAX NO.	*+49 (0)4721 53583*
NO. OF SCIENTISTS	*12*

8. GEOGRAPHICAL AREA IN WHICH SIP WILL OPERATE
52°46.00'N – 56°42.00'N / 002°10.00'W – 014°20.00'E

9. BRIEF DESCRIPTION OF PURPOSE OF CRUISE
Investigations on occurrence of fish diseases and biological effects of contaminants, OSPAR and HELCOM monitoring

10. DATES AND NAMES OF INTENDED PORTS OF CALL *none*

11. ANY SPECIAL REQUIREMENTS AT PORTS OF CALL

NOTIFICATION OF PROPOSED RESEARCH CRUISE

PART B: GENERAL:

1. NAME OF RESEARCH SHIP: *WALTHER HERWIG III* CRUISE NO: *346*

2. DATES OF CRUISE: *31.08.2011 – 16.09.2011*

3. a) PURPOSE OF RESEARCH
Investigations on the occurrence of fish diseases and biological effects of contaminants, OSPAR and HELCOM monitoring, bottom trawling, water sampling, hydrography

b) GENERAL OPERATIONAL METHODS (including full description of any fishing gear-trawl type, mesh size etc.
Bottom trawl (GOV with rock hopper, 140ft bottom trawl; see attachment), water sampling, CTD

4. ATTACH CHART showing (on an appropriate scale) the geographical area of the intended work, positions of intended stations, tracks of survey lines, positions of moored/seabed equipment, areas to be fished:
Attached

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

b) METHODS OF OBTAINED 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)

Fishing: dab, cod, herring, plaice, flounder haddock, whiting; not more than 500 specimens per station examined, CTD measurements

6. DETAILS OF MOORED EQUIPMENT:
DATES

Laying	Recovery	Description	Depth	Latitude	Longitude

7. ANY HAZARDOUS MATERIALS: (Chemicals/Explosives/Gases/Radioactive etc.)
(use separate sheet if necessary)

a) Type and trade name	***Formaldehyde***	***Ethyl alcohol***	***Liquid nitrogen***
b) CHEMICAL CONTENT (& Formula)	***4,5%*** ***$CH_2O + H_2O$***	***70%*** ***C_2H_5OH***	***Nitrogen*** ***N_2***
c) IMO IMDG CODE Reference & UN Number	***9/2209***	***3.2/1170***	***2/3a /1977***
d) QUANTITY & METHOD OF STOWAGE ON BOARD	***22 kg/20 litre laboratory container***	***11kg/10 litre laboratory glass bottles***	***108,4/66,9 kg storage –40°C pressure container***

8. DETAIL & REFERENCE OF:

a) ANY RELEVANT PREVIOUS/FUTURE CRUISES:
Cruise No. 325, RV WALTHER HERWIG III, 18.08.2009 - 17.09.2009

b) ANY PREVIOUSLY PUBLISHED RESEARCH DATA RELATING TO THE PROPOSED CRUISE:
In preparation

9. NAMES AND ADDRESSES OF SCIENTISTS OF THE COASTAL STATE(S) IN WHOSE WATERS THE PROPOSED CRUISE TAKES PLACE WITH WHOM PREVIOUS CONTACT HAS BEEN MADE:
Dr. S. Feist, CEFAS, Weymouth, email: stephen.feist@cefas.co.uk
Dr. J. Thain, CEFAS, Weymouth, email: john.thain@cefas.co.uk
Dr. A. McIntosh, FRD Marine Laboratory, Aberdeen, email: mcintoshad@marlab.ac.uk

10. STATE:

a) WHETHER VISIT TO THE SHIP IN PORT BY SCIENTISTS OF THE COASTAL STATE CONCERNED 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/ DISEMBARKATION. *Participation is not possible because accommodation is not available.* YES/NO

c) WHEN RESEARCH DATA FROM THE INTENDED CRUISE IS LIKELY TO BE MADE AVAILABLE TO THE COASTAL STATE AND BY WHAT MEANS
A cruise report will be provided; data will be presented to the International Council for the Exploration of the Sea and will be available afterwards

Part C. SCIENTIFIC EQUIPMENT

Coastal State ***United Kingdom***
Port Call -
Dates

Complete the following table,
separate page for each coastal state

Indicate YES or NO

LIST OF SCIENTIFIC WORK BY FUNCTION				DISTANCE	FROM	COAST
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	Within 12 NM	Between 12 - 200 NM	(Continental shelf work only) beyond 200 NM but within the continental margin
Bottom trawling	*bottom*	*YES*	*NO*	*NO*	*YES*	*YES*
Water sampling, CTD	*Between surface and bottom*	*YES*	*NO*	*NO*	*YES*	*YES*

Dr. T. Lang
(Principal Scientist)

Dated *2011 02 16*

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

Table 1: Cruise 346 RV 'Walther Herwig III', 31.08. – 16.09.2011, Geographical coordinates

North Sea		
Area	***Latitude***	***Longitude***
GB1	54°03.00'N - 54°09.00'N	007°43.00'E - 007°55.00'E
GB2	54°03.00'N - 54°13.50'N	007°15.00'E - 007°40.00'E
GB3	54°55.00'N - 55°02.00'N	006°15.00'E - 006°24.00'E
GB4	55°22.00'N - 55°25.00'N	004°25.00'E - 004°34.00'E
N01	54°14.00'N - 54°26.00'N	007°22.00'E - 007°41.00'E
N03	52°46.00'N - 53°11.00'N	003°28.00'E - 004°10.00'E
N04	54°25.00'N - 54°52.00'N	001°59.00'E - 002°32.00'E
N05	55°15.00'N - 55° 30.00'N	000°25.00'W - 000°00.00'W
N06	56°15.00'N - 56°24.42'N	001°44.00'W - 002°10.00'W
N11	55°29.00'N - 55°41.00'N	006°49.00'E - 007°39.00'E
N22	53°29.00'N - 53°46.00'N	001°21.00'E 001°49.00'E
P01	55°21.00'N - 55°48.00'N	004°40.00'E 005°19.00'E
P02	56°16.00'N - 56°42.00'N	002°39.00'E - 003°26.00'E

Baltic Sea		
Area	***Latitude***	***Longitude***
B01	54°25.00'N - 54°45.00'N	010°07.00'E - 011°00.00'E
B10	54°34.00'N - 55°00.00'N	013°55.00'E - 014°20.00'E
B11	54°40.00'N - 54°55.00'N	013°00.00'E - 013°55.00'E
B12	54°12.00'N - 54°28.00'N	011°20.00'E - 011°52.00'E

Fig. 1: Cruise 346 RV 'Walther Herwig III', 31.08. – 16.09.2011, Location of sampling sites, North Sea

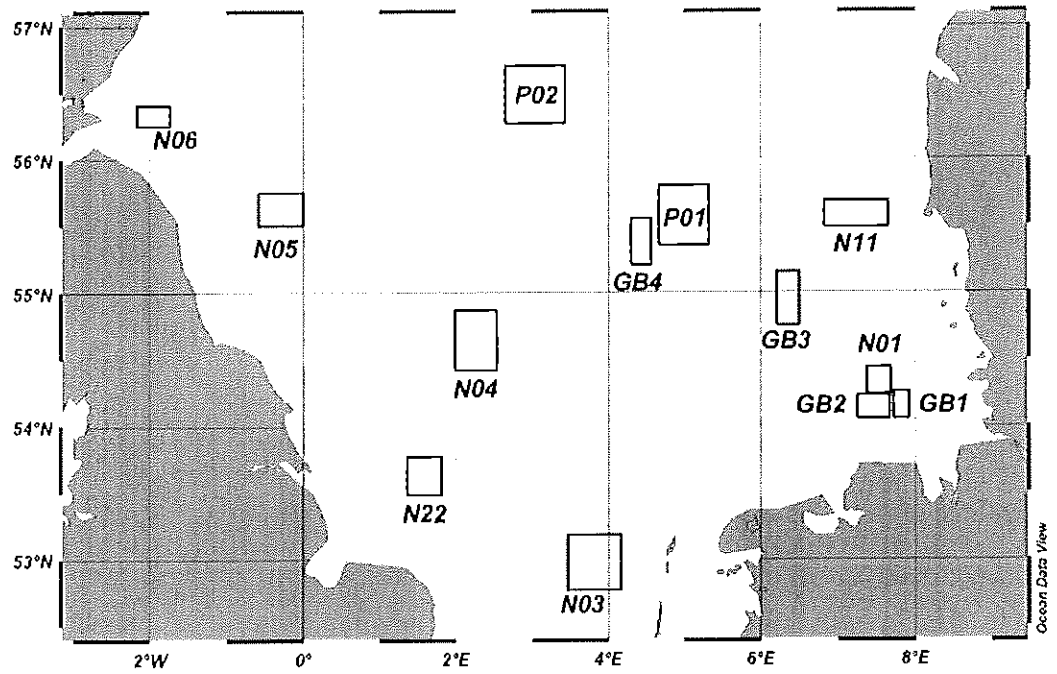
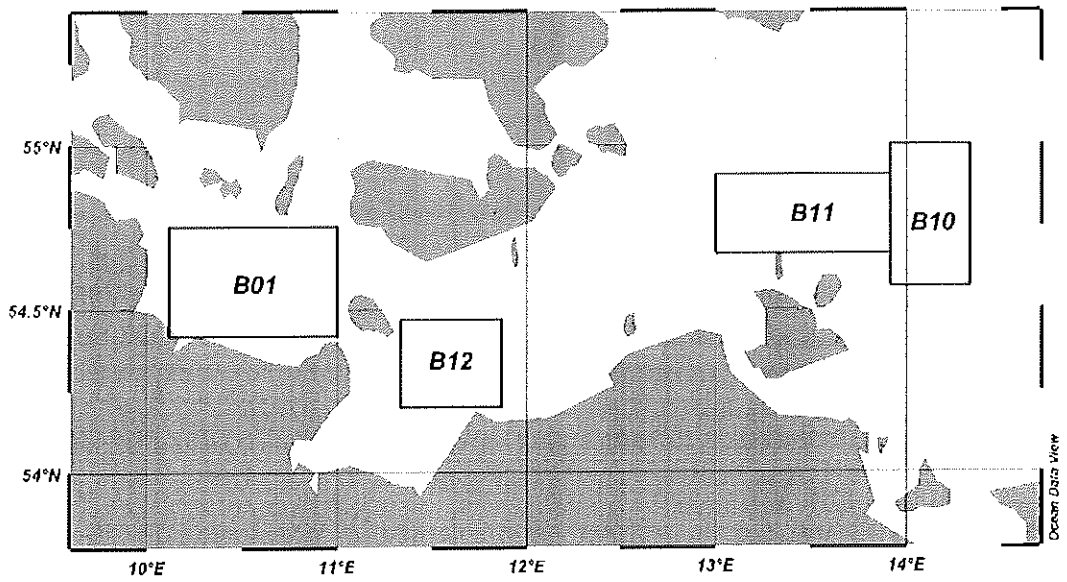
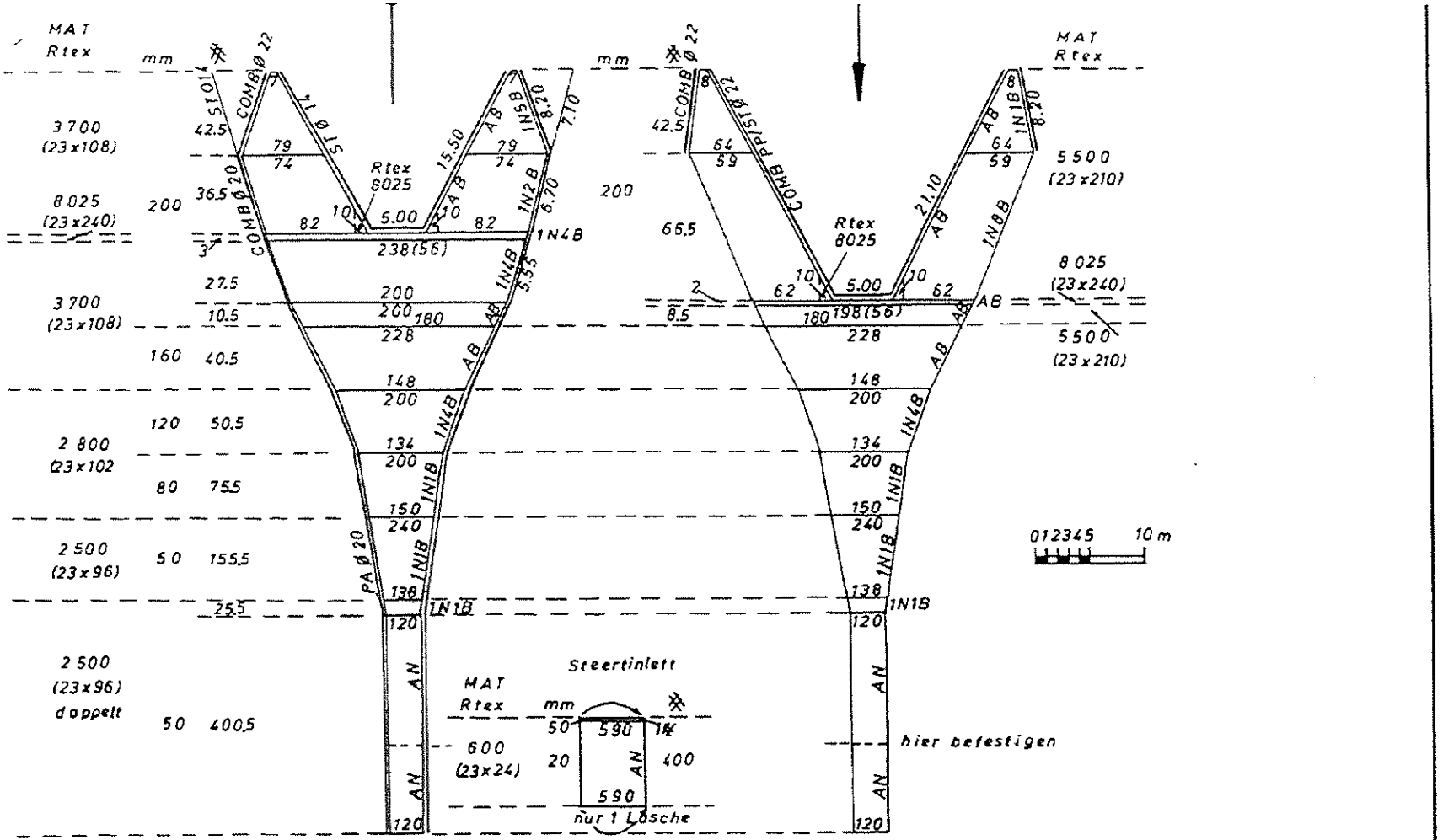


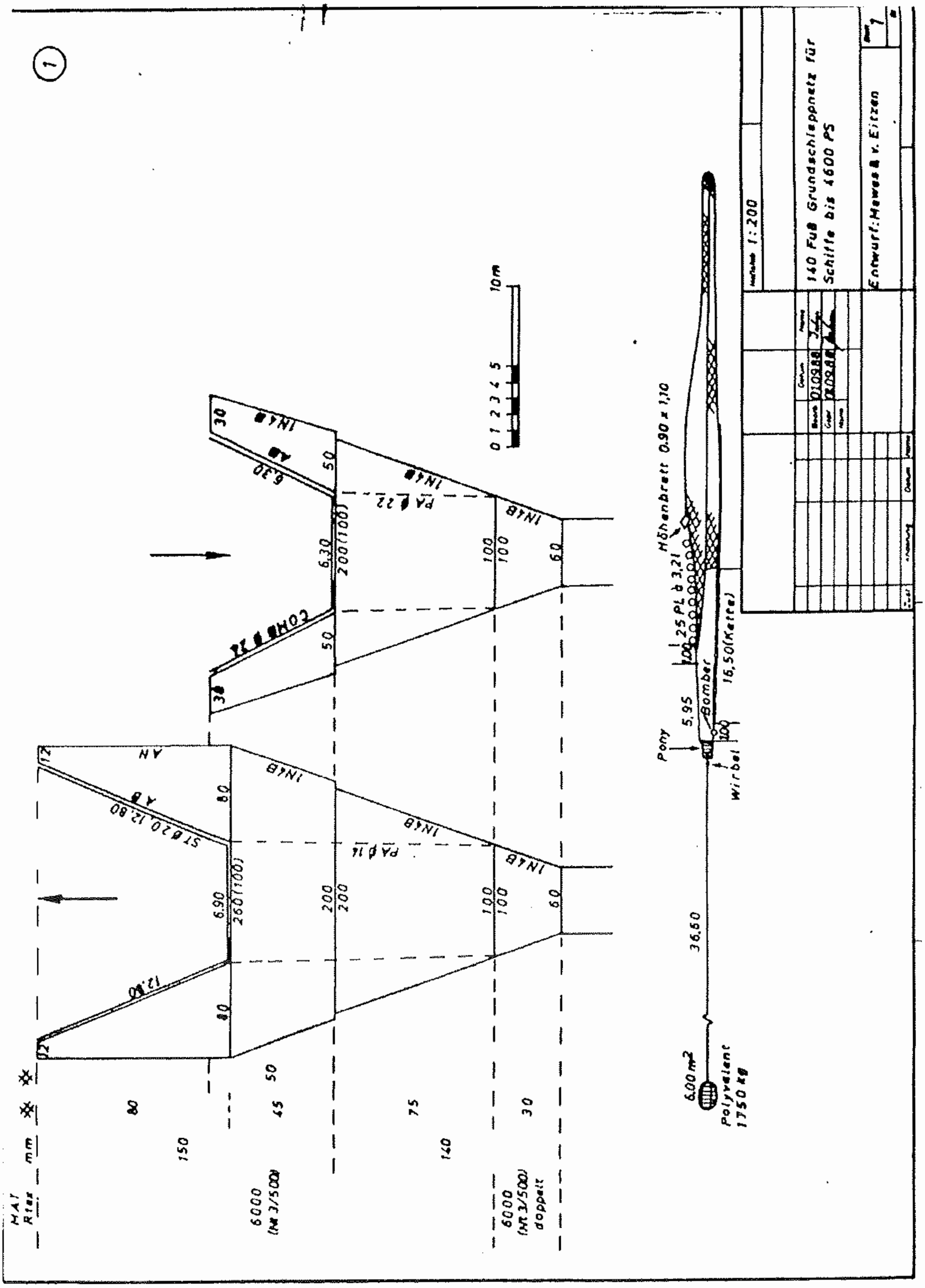
Fig. 1a: Cruise 346 RV 'Walther Herwig III', 31.08. – 16.09.2011, Location of sampling sites, Baltic Sea





			Maßstab 1:350	
			Standardnetze BFA für Fischerei	
		Datum	Name	
		Bearb. 25.11.92		„G O V - G S N"
		Gepr. 25.11.92		
		Norm		
Zust.	Änderung	Datum	Name	„nach einem Entwurf des JSTPM, Boulogne" „entsprechend ICES C.M. 1992/B:39"

Blatt 1



1
140 Fuß Grundschleppnetz für Schiffe bis 4600 PS
Entwurf: Hawes & v. Eitzen
1 : 200
Höhenbrett 0.90 x 1,10
25 PL à 3,21
16,50 (Kette)
Bomber
Pony
Wirbel
5,95
36,60
6,00 m²
Polyvalent
1750 kg
0 1 2 3 4 5 10m
MAT
Rtex
mm
6000 (Nr.3/500)
6000 (Nr.3/500) doppelt