

NOTIFICATION OF PROPOSED RESEARCH CRUISE

UK

PART A: GENERAL

1. NAME OF RESEARCH SHIP: *WALTHER HERWIG III* Cruise No.349
2. DATES OF CRUISE: *02.12.2011 – 21.12.2011*
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
Federal Republic of Germany*
4. OWNER
(if different from Para 3)

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 – 020°57.00'E

9. BRIEF DESCRIPTION OF PURPOSE OF CRUISE

Investigations on occurrence of fish diseases and biological effects of contaminants, OSPAR and HELCOM monitoring, Project CHEMSEA (Chemical Munitions SEArch & Assess

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: *349*

2. DATES OF CRUISE: *02.12.2011 – 21.12.2011*

3. a) PURPOSE OF RESEARCH

Investigations on the occurrence of fish diseases and biological effects of contaminants, OSPAR and HELCOM monitoring, Project CHEMSEA (Chemical Munitions SEarch & Assess, 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

<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: (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% CH₂O+H₂O	70% C₂H₅OH	Nitrogen N₂
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

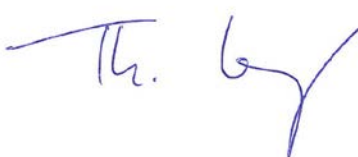
Part C. SCIENTIFIC EQUIPMENT

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
<i>Bottom trawling</i>	<i>bottom</i>	<i>YES</i>	<i>NO</i>	<i>NO</i>	<i>YES</i>	<i>YES</i>
<i>Water sampling, CTD</i>	<i>Between surface and bottom</i>	<i>YES</i>	<i>NO</i>	<i>NO</i>	<i>YES</i>	<i>YES</i>



Dr. T. Lang
 (Principal Scientist)

Dated 2011-09-20

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 349 RV 'Walther Herwig III', 02.12.2011 – 21.12.2011, Geographical coordinates

North Sea		
<i>AREA</i>	<i>LATITUDE</i>	<i>LONGITUDE</i>
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
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
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		
<i>AREA</i>	<i>LATITUDE</i>	<i>LONGITUDE</i>
B01	54°25.00'N - 54°45.00'N	10°07.00'E - 11°00.00'E
B10	54°34.00'N - 55°00.00'N	13°55.00'E - 14°20.00'E
B11	54°40.00'N - 54°55.00'N	13°00.00'E - 13°55.00'E
B12	54°12.00'N - 54°28.00'N	11°20.00'E - 11°52.00'E
SFI4	54°50.00'N - 55°05.00'N	17°20.00'E – 17°30.00'E
B03	54°28.00'N - 54°40.00'N	14°54.00'E - 15°30.00'E
B05	55°01.00'N - 55°15.00'N	16°21.00'E - 16°39.00'E
B13	55°05.00'N - 55°25.00'N	15°25.00'E – 15°57.00'E
B09	55°04.00'N - 55°16.00'N	18°09.00'E - 18°35.00'E
BEEP3	55°31.00'N - 55°50.00'N	20°19.00'E - 20°57.00'E

Fig. 1: Cruise 349 RV 'Walther Herwig III', 02.12.2011 – 23.12.2011, Location of sampling sites, North Sea

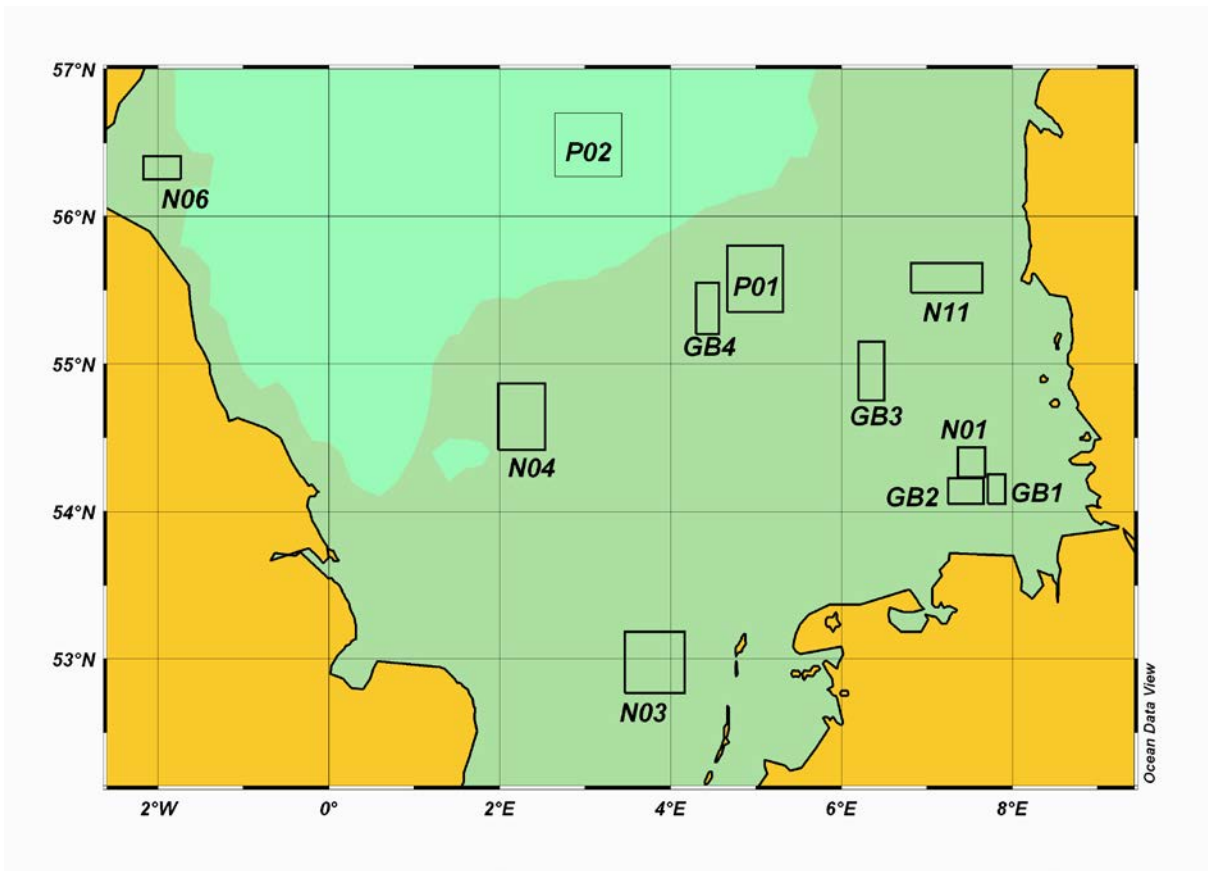
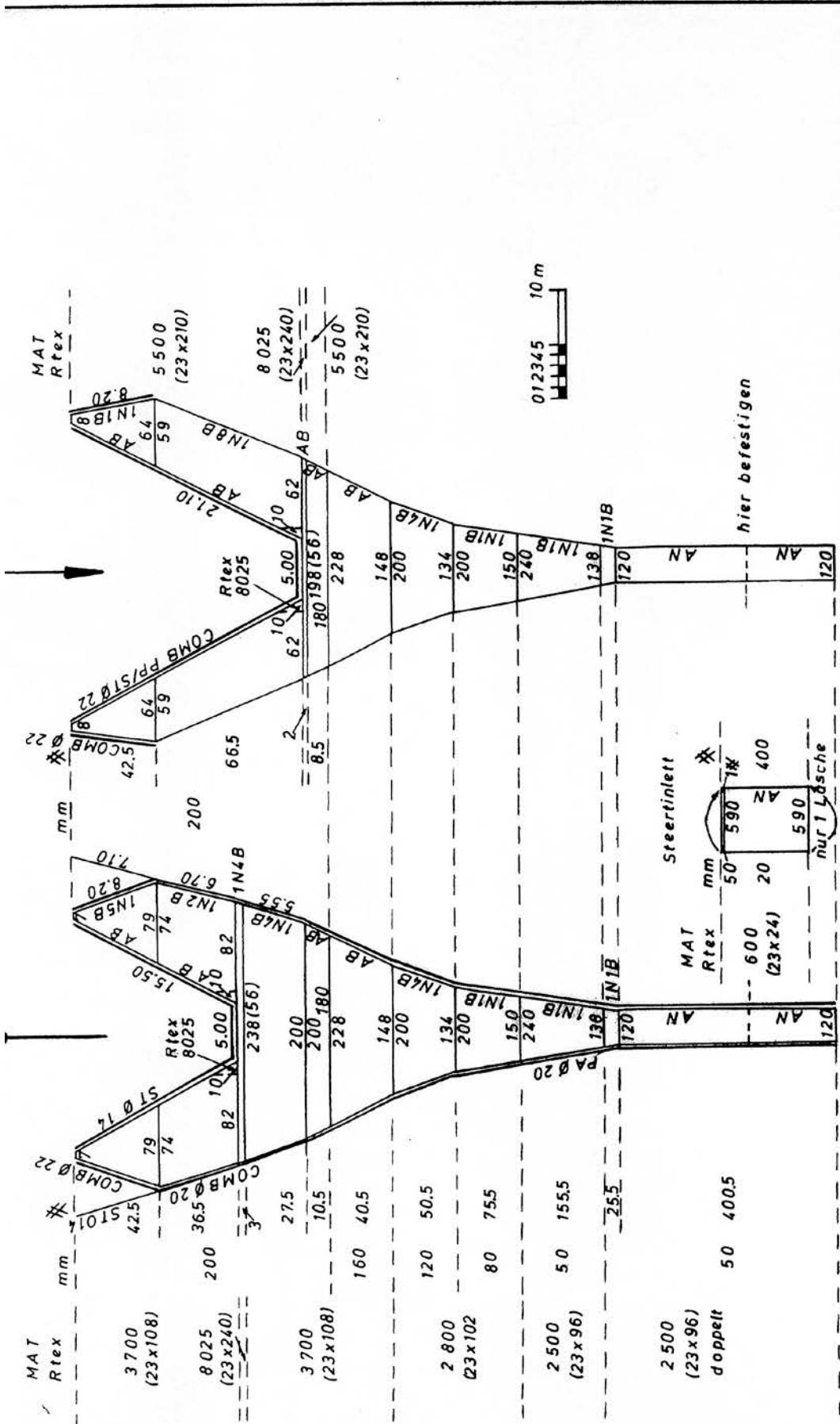
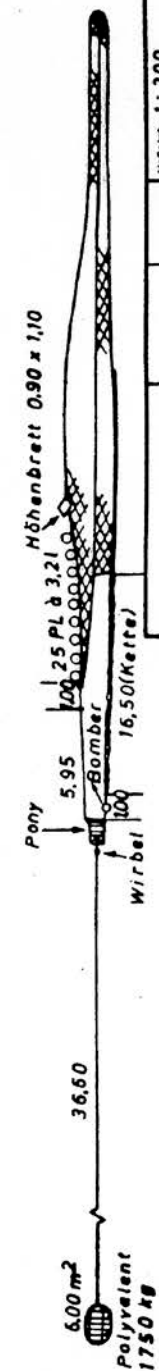
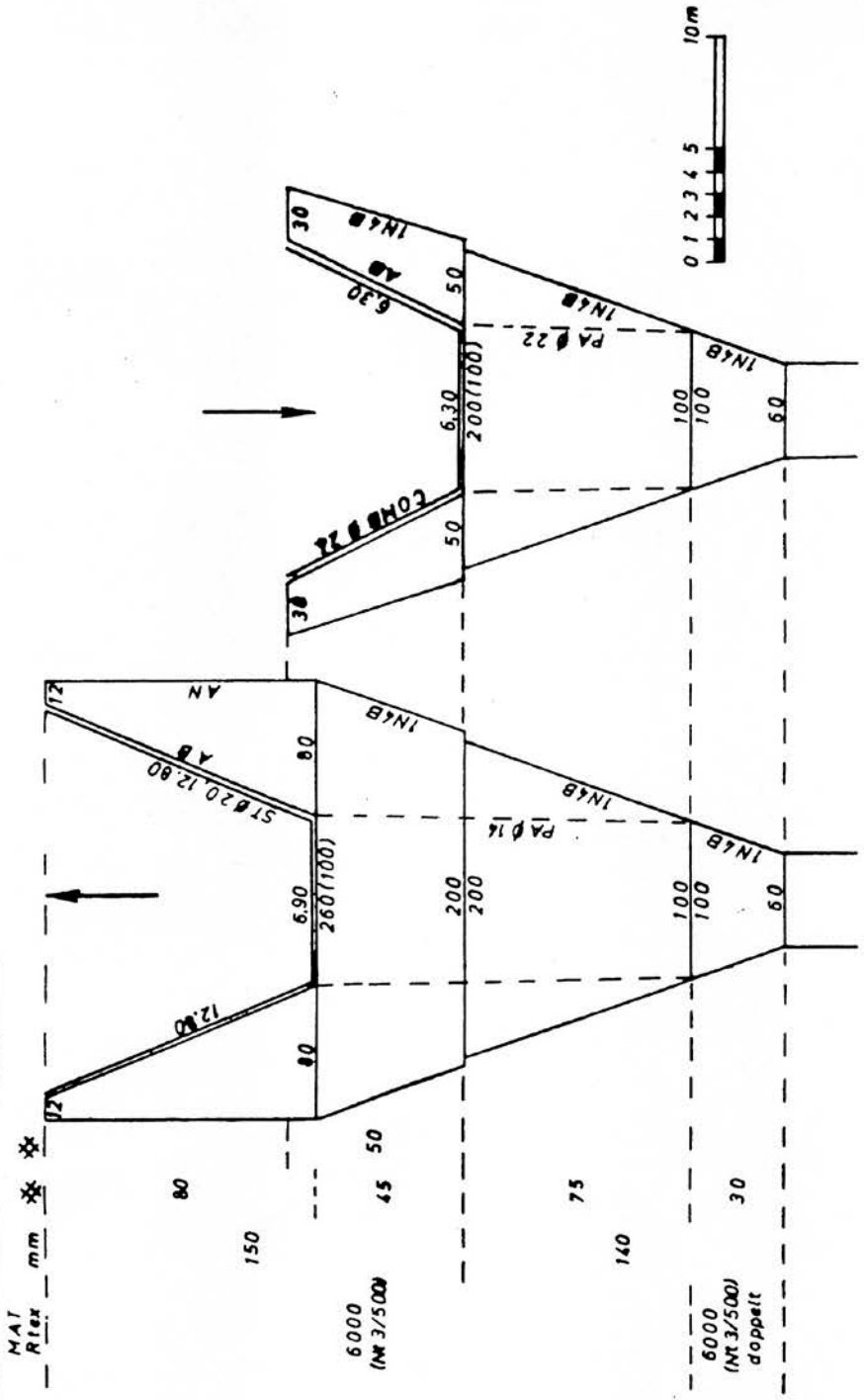


Fig. 1a: Cruise 349 RV 'Walther Herwig III', 02.12.2011 – 21.12.2011, Location of sampling sites, Baltic Sea



Maststab 1:350	
Standardnetze BFA für Fischerei	
„GOV - GSN“	
Blatt	1
nach einem Entwurf des JSTPM, Boulogne	
entsprechend ICES C.M. 1992/B:39	
Zust.	Änderung
Name	Datum
Gezeichnet	25.11.92
Geprüft	25.11.92
Norm	7/8/10/11

1



Name		Datum		Insgesamt		Datum		Name	
Bezeichnung	010988	3	1988						
Code	10988								
Norm									
Methode 1:200									
140 Fuß Grundschleppnetz für Schiffe bis 4600 PS									
Entwurf: Mewes & v. Eitzen									
Blatt 7									