

NOTIFICATION OF PROPOSED RESEARCH CRUISE

PART A. GENERAL

- 1. NAME OF RESEARCH SHIP FFS „Solea“ Cruise No. SO 608
- 2. DATE OF CRUISE from 20-07-2009 to 08-08-2009
- 3. OPERATING AUTHORITY Bundesanstalt für Landwirtschaft und Ernährung, Referat 522
Palmaille 9, 22767 Hamburg
Tel.-No. +49 40 38905171 / Telex 214763 bled / Fax -No. +494038905128
- 4. OWNER Federal Republic of Germany
- 5. PARTICULARS OF SHIP
 - NAME FRV "Solea" (new build)
 - NATIONALITY German
 - OVERALL LENGTH (METRES) 42,70
 - MAXIMUM DRAUGHT (METRES) 3,40
 - NETT TONNAGE rd. 660
 - PROPULSION Diesel-Electric
 - CALL SIGN DBFH
 - REGISTERED PORT & NUMBER (if registered fishing vessel) None
- 6. CREW
 - NAME OF MASTER Captain J. Vandrei or deputy
 - NUMBER OF CREW 14
- 7. SCIENTIFIC PERSONNEL
 - NAME AND ADDRESS OF SCIENTIST - IN - CHARGE Jens Ulleweit
vTI* –Institut für Seefischerei
Palmaille 9
22767 Hamburg
Tel.-No. +49 40 38905-246
Fax -No. +49 40 38905-263
*) New institute name: Johann Heinrich von Thünen-Institut (vTI)
 - NUMBER OF SCIENTISTS 7
- 8. GEOGRAPHICAL AREA IN WHICH SHIP WILL OPERATE (with reference in latitude and longitude):
 - Latitude 52°00' N – 57°00' N
 - Longitude 02°00' E – 08°00' E
- 9. BRIEF DESCRIPTION OF PURPOSE OF CRUISE:
 - German small scale bottom trawl survey ("Box"-Fishery)
- 10. DATES AND NAMES OF INTENDED PORTS OF CALL: None
- 11. ANY SPECIAL REQUIREMENTS AT PORTS OF CALL: None

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PART B. GENERAL

1. NAME OF RESEARCH SHIP FFS „Solea“ CRUISE NO: SO 608
2. DATES OF CRUISE FROM 20-07-2009 TO 08-08-2009

3.a) PURPOSE OF RESEARCH

Bottom Trawl Survey in six areas of investigation (“Boxes”, see annex):

- Investigation and monitoring of the bottom fish fauna in the southern North Sea
- Assessment of hydrographic parameters in the areas of investigation

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

- Bottom trawling (gear specification attached)
- CTD with water sampler

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

Map is attached

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

- Fish
- Water

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)

The following methods will be obtained.

1. Fishing with a bottom trawl (the specification of the codhopper is attached):
 - Samples of all species caught will be worked up on board
 - The expected size of the catch consists of a few baskets per haul
 - No fish is retained on board except scientific samples taken to the lab of the vTI in Hamburg.
2. Water sampling with the carousel water sampler

6. DETAILS OF MOORED EQUIPMENT:

DATES: LAYING RECOVERY DESCRIPTION DEPTH LATITUDE LONGITUDE

None.

7. ANY HAZARDOUS MATERIALS: (Chemicals, Explosives, Gases, Isotopes, etc.)

None

(a) TYPE AND TRADE NAME

(b) CHEMICAL CONTENT (& formula)

(c) IMO IMDG CODE Reference & UN No.

(d) QUANTITY & METHOD OF STOWAGE ON BOARD

(e) IF EXPLOSIVES give date (s) of detonation

- 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:

The survey is carried out regularly as a German standard program since 1989.

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

Ehrich, S. et al (2007). 20 years of the German Small-Scale Bottom Trawl Survey (GSBTS): A review. *Senckenbergiana maritima*. 37(1): 13-82.

Ehrich, S. et al. (1998). ICES CM J:25, 7 pp.

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.

- John Casey, CEFAS, Lowestoft (United Kingdom)
- Dr. Henk Heesen, IMARES, IJmuiden (Netherlands)
- Jørgen Dalskov, Danish Institute for Fisheries Research, Technical University of Denmark, Charlottenlund (Denmark)

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/DISEMBARKATION

YES / NO

- But no spare accommodation

c) WHEN RESEARCH DATA FROM THE INTENDED CRUISE IS LIKELY TO BE MADE AVAILABLE TO THE COASTAL STATE AND BY WHAT MEANS

Report will be available about 4 weeks after the trip

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PART-C: SCIENTIFIC EQUIPMENT

COASTAL STATE: *United Kingdom*

COMPLETE THE FOLLOWING TABLE
SEPARATE COPY FOR EACH COASTAL STATE

PORT CALL: None

DATES:

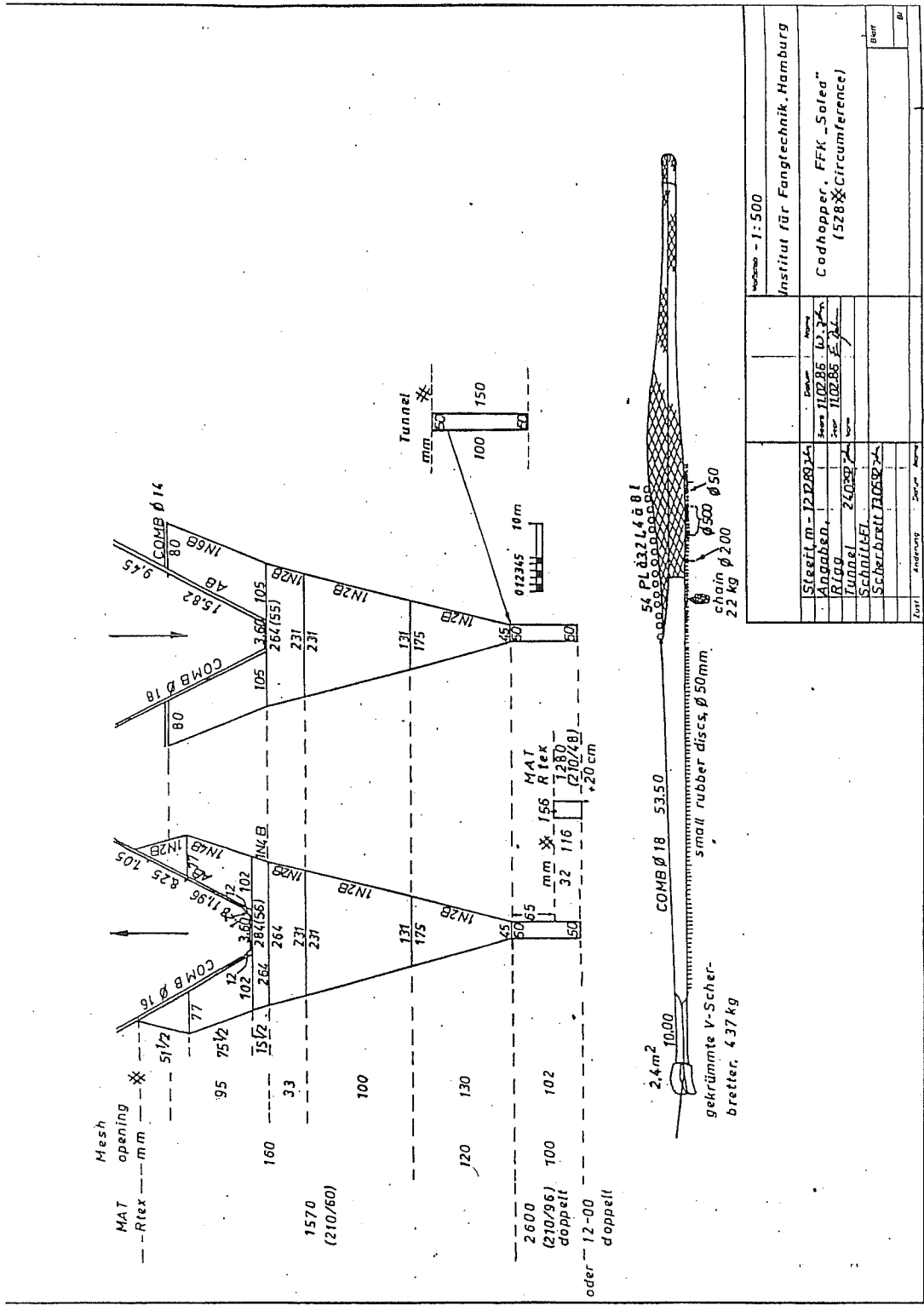
INDICATE „YES“ OR „NO“

<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 nms	(Continental shelf work only) Beyond 200 nm but within the continental margin
Trawling	NO	YES	YES	NO	YES	NO
Water Sampling/CTD	YES	YES	NO	NO	YES	NO

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(On behalf of the Principal Scientist)

Dated.....06.04.2009.....

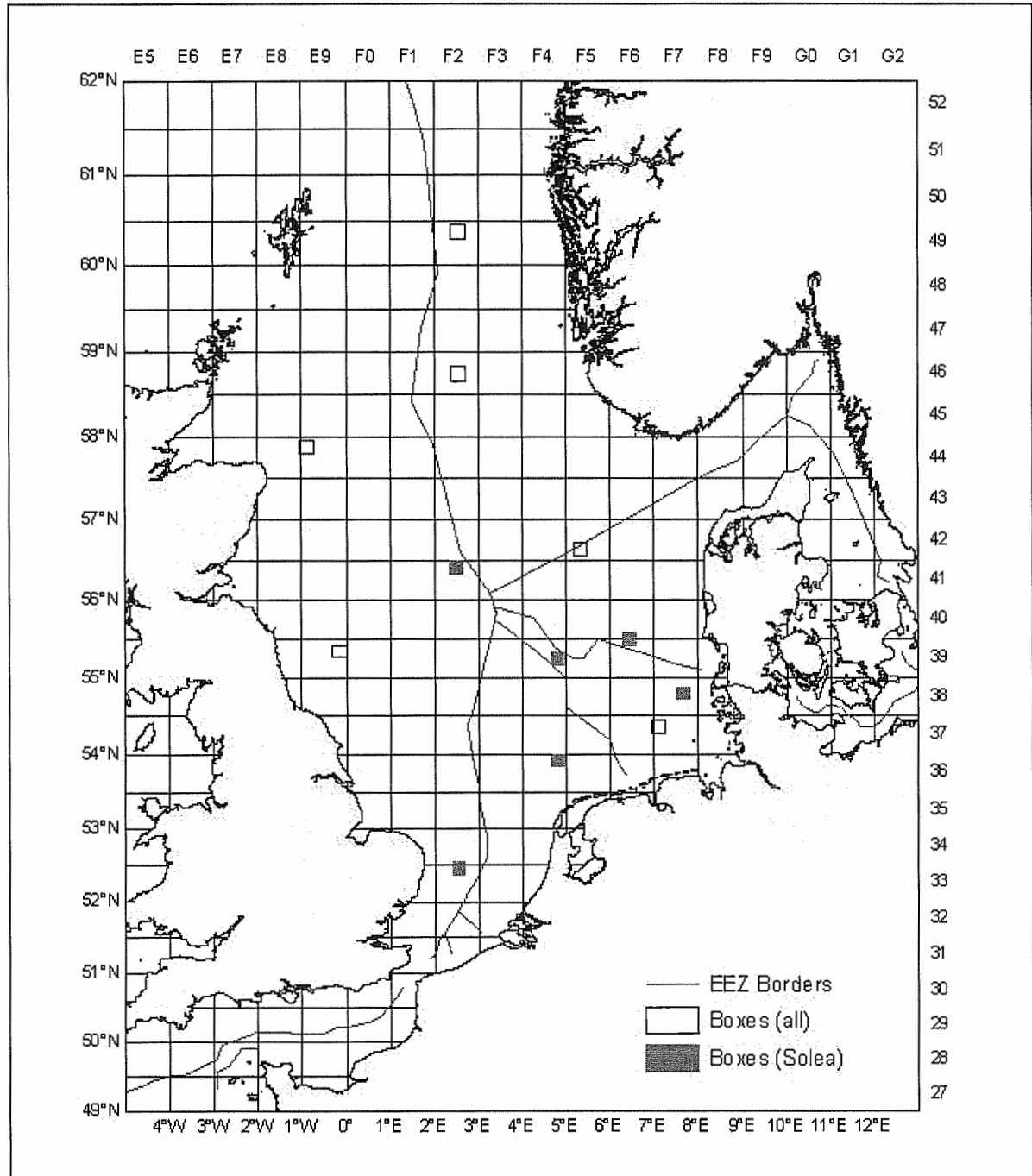
N.B. IF ANY DETAILS ARE MATERIALLY CHANGED REGARDING DATES / AREA OF OPERATION AFTER THIS FORM HAS BEEN SUBMITTED THE COASTAL STATE AUTHORITIES MUST BE NOTIFIED IMMEDIATELY



Specification of the Codhopper

AREAS OF INVESTIGATION (BOXES)

Research Vessel 'SOLEA'



Mercator Projection (WGS 1984)

Location of sampling sites (filled squares) fished by FRV 'Solea' during SO 608.