

9. BRIEF DESCRIPTION OF PURPOSE OF CRUISE:

Participation in the ICES co-ordinated International Bottom Trawl Survey for fish stock estimates. Monitoring of fish assemblages in small defined areas

10. DATES AND NAMES OF INTENDED PORTS OF CALL:

. / .

11. ANY SPECIAL REQUIREMENTS AT PORTS OF CALL:

. / .

NOTIFICATION OF PROPOSED RESEARCH CRUISE

PART B. GENERAL

1. NAME OF RESEARCH SHIP *FFS Walther Herwig III* CRUISE NO: *WH 345*

2. DATES OF CRUISE FROM *07/26/2011* TO *08/24/2011*

3. a) PURPOSE OF RESEARCH

- *Demersal trawling survey to assess year class strengths and stock size indices for cod, haddock, whiting and others*
- *Monitoring of fish assemblages and benthos in small defined areas*

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

- *GOV otter board trawl for catch of demersal fish (4 mm liner, see attached drawing)*
- *2 m beam trawl (2 mm liner)*
- *Van Veen sediment grab*
- *Rosette water sampler + CTD*

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

- *The areas to be investigated depend on the distribution of fish during the cruise. Thus, no cruise tracks, or positions for fishing and benthos sampling can be determined in advance.*

5 a) TYPES OF SAMPLES REQUIRED e.g. Geological / Water / Plankton /Fish/Radionuclides.

Fish, benthic invertebrates, sediment and water samples.

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)

- *GOV otter board trawl for catch of demersal fish (4 mm liner). Fish retained on board will be less than two tonnes; only scientific samples*
- *2 m beam trawl (2 mm liner): Collection of epibenthic invertebrates*
- *Grab: Determination of sediment type*
- *Rosette water sampler + CTD: Water samples for nutrient analyses*

6. DETAILS OF MOORED EQUIPMENT: *none*

Dates: Laying Recovery Description Depth Latitude Longitude

None

7. ANY HAZARDOUS MATERIALS: (Chemicals, Explosives, Gases, Isotopes, etc.)
(Use separate sheet if necessary)

- (a) TYPE AND TRADE NAME None
- (b) CHEMICAL CONTENT (& formula) None
- (c) IMO IMDG CODE Reference & UN No. None
- (d) QUANTITY & METHOD OF STOWAGE ON BOARD None
- (e) IF EXPLOSIVES give date (s) of detonation None
- 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:

*International Bottom Trawl Survey since 1991
Annual national survey GSBTS since 1987*

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

(Attach separate sheet if necessary)

*Partly in ICES-Papers: CM 1987/B: 27 and 28, CM 1988/G:67 and B:10;
CM 1989/B:35; CM 1991/G:59; CM 1998/J:25; Senckenbergiana maritima (2007) 37: 13-82.*

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.

United Kingdom: Brian Harley, CEFAS, Lowestoft Laboratory, Pakefield Road, Lowestoft, Suffolk, NR33 0HT

The Netherlands: Henk Heessen, IMARES, P.O. Box 68, 1970 AB Ijmuiden

Denmark: Jørgen Dalskov, DTU Aqua, Charlottenlund Slot, DK2920 Charlottenlund,

Norway: Odd Smedstad, IMR, P.O. Box 1870 Nordnes, N 5817 Bergen

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/DDISEMBARCATION

YES / NO

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

Cruise summary report through official channels in English, about 4 weeks after the cruise. Within 3-6 months after the cruise, all data will be available on request to ICES member states.

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“

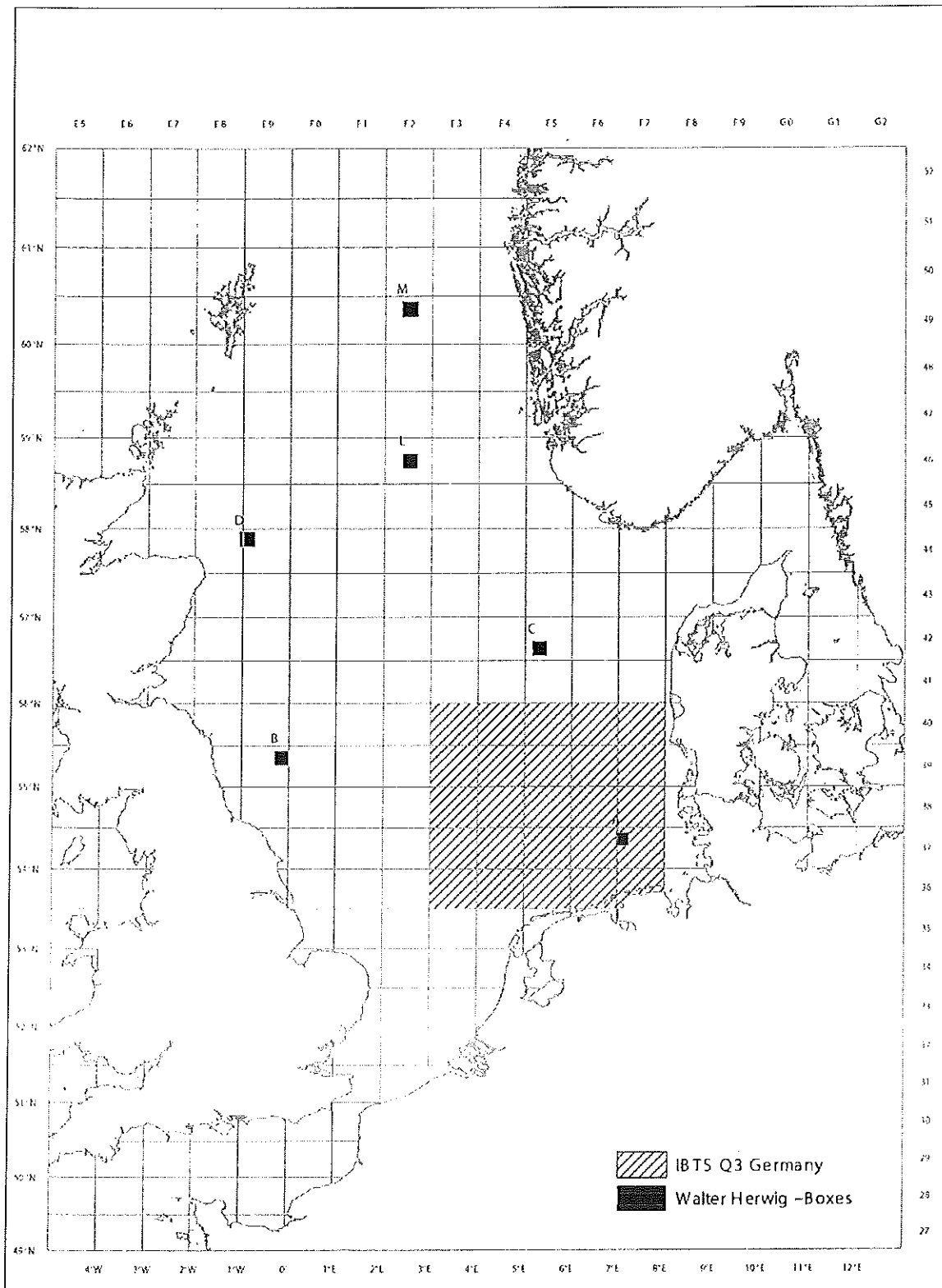
LIST OF SCIENTIFIC WORK BY FUNCTION e.g. Magnetometry only) Gravity,Diving Seismics Bathymetry Seabed sampling Trawling Echo sounding Water sampling U / W TV Moored instruments Towed instruments	Water Column including Sediment Sampling of the Seabed	Fisheries Research within Fishing Limits	Research concerning the natural resources of the continental shelf or its physical characteristics	Distance from coast		
				Within 12 NM	Between 12-200 NM	(Continental shelf work Beyond 200 NM but within the continental margin
<i>Benthic samples</i>	<i>yes</i>	<i>yes</i>	<i>no</i>	<i>no</i>	<i>yes</i>	<i>no</i>
<i>Trawling</i>	<i>no</i>	<i>yes</i>	<i>yes</i>	<i>no</i>	<i>yes</i>	<i>no</i>
<i>Water samples</i>	<i>yes</i>	<i>yes</i>	<i>no</i>	<i>no</i>	<i>yes</i>	<i>no</i>

June Sill

(On behalf of the Principal Scientist)

Dated 03/30/2011

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



Sampling areas during WH 345. Black: Small-scale investigations (GSBTS); hatched: International Bottom Trawl Survey (IBTS), one station per rectangle.