

NOTIFICATION OF PROPOSED RESEARCH CRUISE

PART A: GENERAL

1. *NAME OF RESEARCH SHIP* Tridens *CRUISE NO.*
2. *DATES OF CRUISE*
From: 22/04/2003 To: 17/05/2003 wk. 17-20
From: 16/06/2003 To: 21/06/2003 wk. 25
From: 06/10/2003 To: 29/11/2003 wk. 41-48
3. *OPERATING AUTHORITY* Ministry of Agriculture, Natural Management & Fisheries,
Besuidenhoutseweg 73,
The Hague.

Telephone: 070 3792349
Facsimile: 070 3825648
Telex: 32040 Lavinl
Email: J.W.Groen@viss.agro.nl
4. *OWNER*
(if different from No. 3)
5. *PARTICULARS OF SHIP*
NAME: Tridens
NATIONALITY: Dutch
OVERALL LENGTH: 73.5 metres
MAXIMUM DRAUGHT: 5.20 metres
NET TONNAGE: 659
PROPULSION: Diesel
CALL SIGN: PBVO
REGISTERED PORT & NUMBER:
(if registered fishing vessel)
6. *CREW*
NAME OF MASTER: A. Hofland
NO. OF CREW: 21
7. *SCIENTIFIC PERSONNEL*
NAME AND ADDRESS OF SCIENTIST IN CHARGE: N.E. van Stralan,
MarinX Consultancy,
Elkerzeeseweg 77,
4322 NA Scharendijke NL

TEL./TELEX/FAX NO: +31 111/671584

NUMBER OF SCIENTISTS: 1-3
8. *GEOGRAPHICAL AREA IN WHICH SHIP WILL OPERATE*
(with reference to latitude and longitude)
See chart
9. *BRIEF DESCRIPTION OF PURPOSE OF CRUISE*
Technical development and test of a pulse beam trawl for flat fish
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: DETAIL

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3. a) *PURPOSE OF RESEARCH*

To gather information to improve the efficiency and selectivity of a pulse beam trawl (April and May) and to carry out final biological tests in October and November 2003 in cooperation with the RIVO (Neth. Inst. for Fisheries Research).

b) *GENERAL OPERATIONAL METHODS*

(including full description of any fishing gear trawl type, mesh size, etc.)

Comparative research with a commercial beam trawl based on tickler chains and a beam trawl of which one of the tickler changes are replaced by electrodes generating pulses to stimulate flat fish to leave the bottom. Fishing with both trawls takes place simultaneously. Catches are sampled and compared for sized and undersized commercial fish, other fish species, shellfish and other benthos. The tests are carried out for different bottom types, fishing speeds and settings of the pulse field. The tests are carried out in areas where the commercial fisheries take place that moment. Apart from the pulse field, normal commercial beam trawls are used with a width of 7m or 12 m and a minimum mesh size of 8 cm.

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)

See chart:

UK: North Sea between 52deg N and 54deg N

BRD: North Sea - German Bight, South of 54deg 30'N

Exact fishing locations are determined by the actual distribution of the stocks and the commercial fleet

5. a) *TYPES OF SAMPLES REQUIRED*

(e.g. Geological/Water/Plankton/Fish/Radionuclide)

Fish and benthos 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, quantify of fish to be retained on board)

Collecting catches by trawling. These catches are comparable of catches obtained by the commercial fishing fleet. Commercial sizes are sorted out completely. From the remaining catch, sub samples are taken.

6. *DETAILS OF MOORED EQUIPMENT*

DATES: None

<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)*

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*

b) *ANY PREVIOUSLY PUBLISHED DATA RELATING TO THE PROPOSED CRUISE*

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*

10. STATE

a) *WHETHER VISITS TO THE SHIP IN PORT BY SCIENTISTS OF THE COASTAL STATE CONCERNED WILL BE ACCEPTABLE*

Yes

b) *PARTICIPATION OF AN OBSERVER FROM THE COASTAL STATE FOR ANY PART OF THE CRUISE TOGETHER WITH THE DATES AND PORTS FOR EMBARKATION/DISEMBARKATION*

Embarking and disembarking in Ijmuiden (NL)

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

2003-2004 internal reports in Dutch; 2004-2005 in reports for the EU

PART C: SCIENTIFIC EQUIPMENT

COASTAL STATE: United Kingdom,
 PORT CALL: none
 DATES: see above

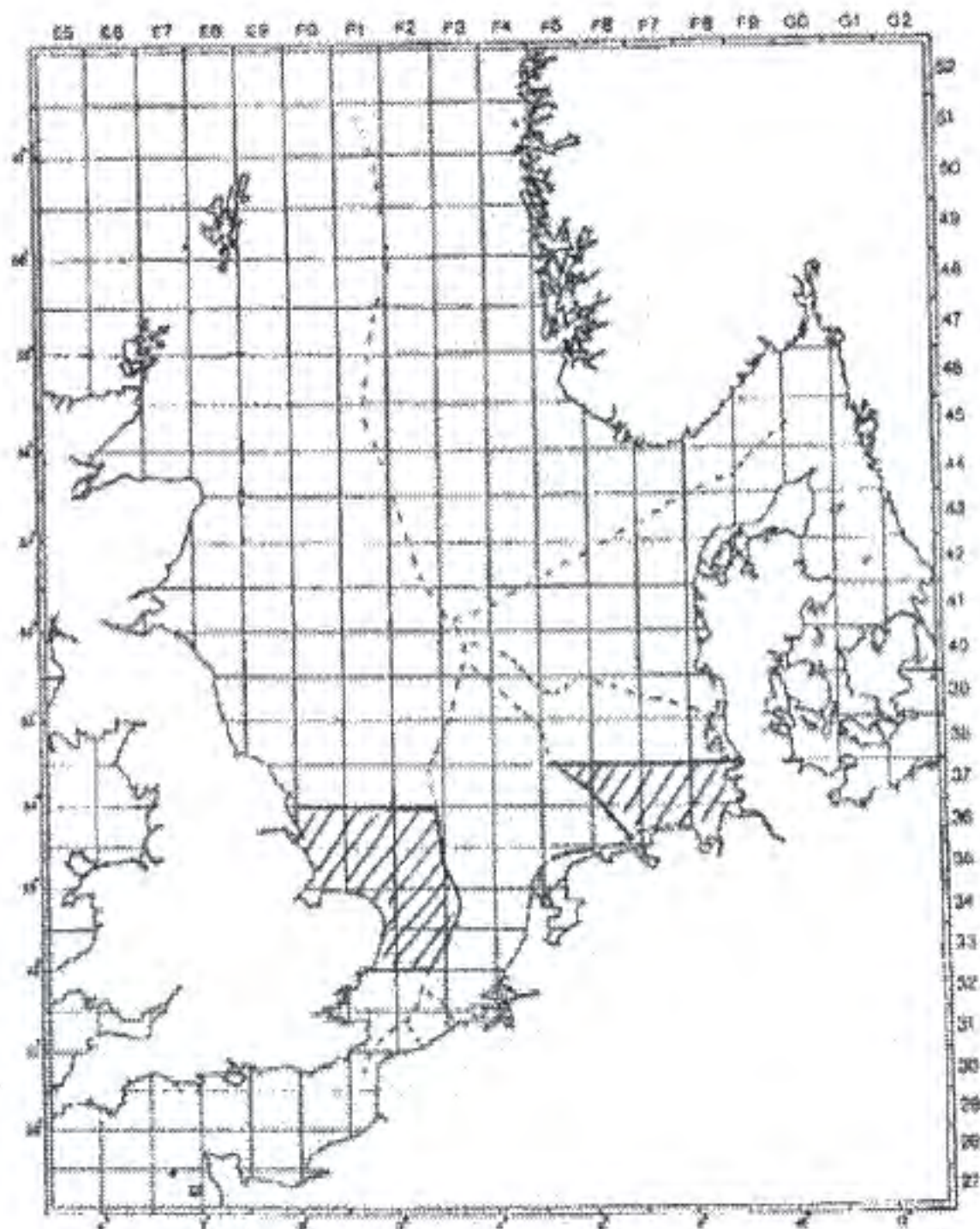
11. COMPLETE THE FOLLOWING TABLE - SEPARATE PAGE FOR EACH COASTAL STATE
 (indicate "Yes" or "No")

				DISTANCE FROM COAST		
				WITHIN 12 NM	BETWEEN 12 AND 200 NM	(Continental Shelf work only) Beyond 200 NM but within the Continental Margin
LIST SCIENTIFIC WORK BY FUNCTION 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			
No	No	Yes	Yes	No	Yes	No

(On behalf of the Principal Scientist)

Dated 30th January 2003

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.



permit Tridens
 Pulse fish 2003.