

## NOTIFICATION OF PROPOSED RESEARCH CRUISE

### PART A: GENERAL

1. **NAME OF RESEARCH SHIP** (Chartered fishing vessel.  
Name available by the  
end of March 2003) **CRUISE NO.** 2003xxx
2. **DATES OF CRUISE** From: ca 05/05/2003 To: ca 05/06/2003
3. **OPERATING AUTHORITY** Institute of Marine Research,  
P.O. Box 1870 Nordnes,  
N-5817 BERGEN, Norway.  
  
Telephone: +47 55 23 85 00  
Facsimile: +47 55 23 85 31  
Email: Havforskningsinstituttet@imr.no
4. **OWNER** (Not yet available, ref. paragraph no. 1 above)
5. **PARTICULARS OF SHIP**  
**NAME:**  
**NATIONALITY:** Norwegian  
**OVERALL LENGTH:** (ca 45 m)  
**MAXIMUM DRAUGHT:** (ca 5.5 m)  
**NET TONNAGE:**  
**PROPULSION:** Diesel  
**CALL SIGN:**
6. **CREW**  
**NAME OF MASTER:**  
**NO. OF CREW:** 6
7. **SCIENTIFIC PERSONNEL**  
**NAME AND ADDRESS OF SCIENTIST IN CHARGE:** Svein A. Iversen,  
Institute of Marine Research,  
P.O. Box 1870 Nordnes,  
B-5817 BERGEN, Norway.  
  
**Tel/Telefax/Telex:** (Ref. paragraph no. 3 above)  
**NUMBER OF SCIENTISTS:** 4
8. **GEOGRAPHICAL AREA IN WHICH SHIP WILL OPERATE**  
(with reference to latitude and longitude)  
  
Over the shelf and slope from SW of Ireland to NW of Scotland.  
  
Approximate border: 51deg 00'N 9deg 00'W - 51deg 00'N 13deg 00'W - 56deg 00'N 13deg 00'W -  
56deg 00'N 10deg 00'W - 60deg 00'N 10deg 00'W - 60deg 00'N 7deg 00'W - 58deg 30'N 07deg  
00'W (Ref. attached map).
9. **BRIEF DESCRIPTION OF PURPOSE OF CRUISE**  
  
Tagging and biological sampling of mackerel (*Scomber scombrus*). Tagging of ca 20,000 fish.  
Biological sampling of ca 1,000 fish.
10. **DATES AND NAMES OF INTENDED PORTS OF CALL**  
  
ca 09 May 2003 Killybegs (in case of Irish scientist participation); ca 20 May 2003 Galway (change  
of research personnel)
11. **ANY SPECIAL REQUIREMENTS AT PORTS OF CALL**  
  
Fuel oil, water

# NOTIFICATION OF PROPOSED RESEARCH CRUISE

## PART B: DETAIL

1. **NAME OF RESEARCH SHIP** (Chartered fishing vessel.  
Name available by the  
end of March 2003) **CRUISE NO.** 2003xxx

2. **DATES OF CRUISE** From: ca 05/05/2003 To: ca 05/06/2003

3. **PURPOSE OF RESEARCH AND GENERAL METHODS**

*(If the research work is being taken on behalf of a research institution of a third state, it is the responsibility of that state to obtain prior permission. It is essential that written confirmation that this has been done is obtained and quoted in this application).*

The cruise is part of the effort to estimate the strength of the European mackerel stock. The fish are caught with 5-6 hand-lines, each with 6 small hooks with red plastic bait. The fish are kept in basins with running water, and those that look ok are tagged and returned to the sea. Part of the discarded catch is used for biological samples. The tags are mainly internal stainless steel tags inserted in the belly, and some external T-tags fastened in the dorsal muscle. The fish are caught from the surface down to about 60 m.

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)*

A map with approximate border of operation and a map of a previous typical tagging cruise are attached.

5. a) **TYPES OF SAMPLES REQUIRED**

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

Fish (mackerel)

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)*

Fishing with hand-lines (ref. paragraph 3b above). The (Western) Mackerel Fishing Stock. Approximately 25,000 fish needed for tagging and biological samples, including remaining discarded fish. No fish to be kept onboard.

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*

This tagging and sampling programme started in 1968 and has been carried out yearly, except 1969 and 1987. It will probably continue.

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

Short (internal) cruise reports are issued after the cruise. The data are used by our Institute and the ICES Mackerel Working Group.

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*

The Marine Institute in Dublin and the Marine Laboratory in Aberdeen have been informed.

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*

Participation is possible. Port and time may be discussed. Normally, the vessel stays in Irish waters for the first three weeks and the last week in Scottish waters (St. Kilda - North Rona).

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

The cruise report (on paper) will be available within a month after the cruise.

**PART C: SCIENTIFIC EQUIPMENT**

COASTAL STATE: Ireland, UK  
 PORT CALL: Killybegs, Ireland (?)  
 Galway, Ireland.

Other possible ports of call (in case of coastal state participation): Castletown Bere, Ireland  
 Stornoway, UK  
 Lerwick, UK

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

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	DISTANCE FROM COAST		
				WITHIN 4 NM	BETWEEN 4 - 12 NM	BETWEEN 12 - 200 NM
Fishing with hand-lines for mackerel. Tagging and biological sampling.	No	Yes	No	No	Yes	Yes

(On behalf of the Principal Scientist)

Dated: 13 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.**

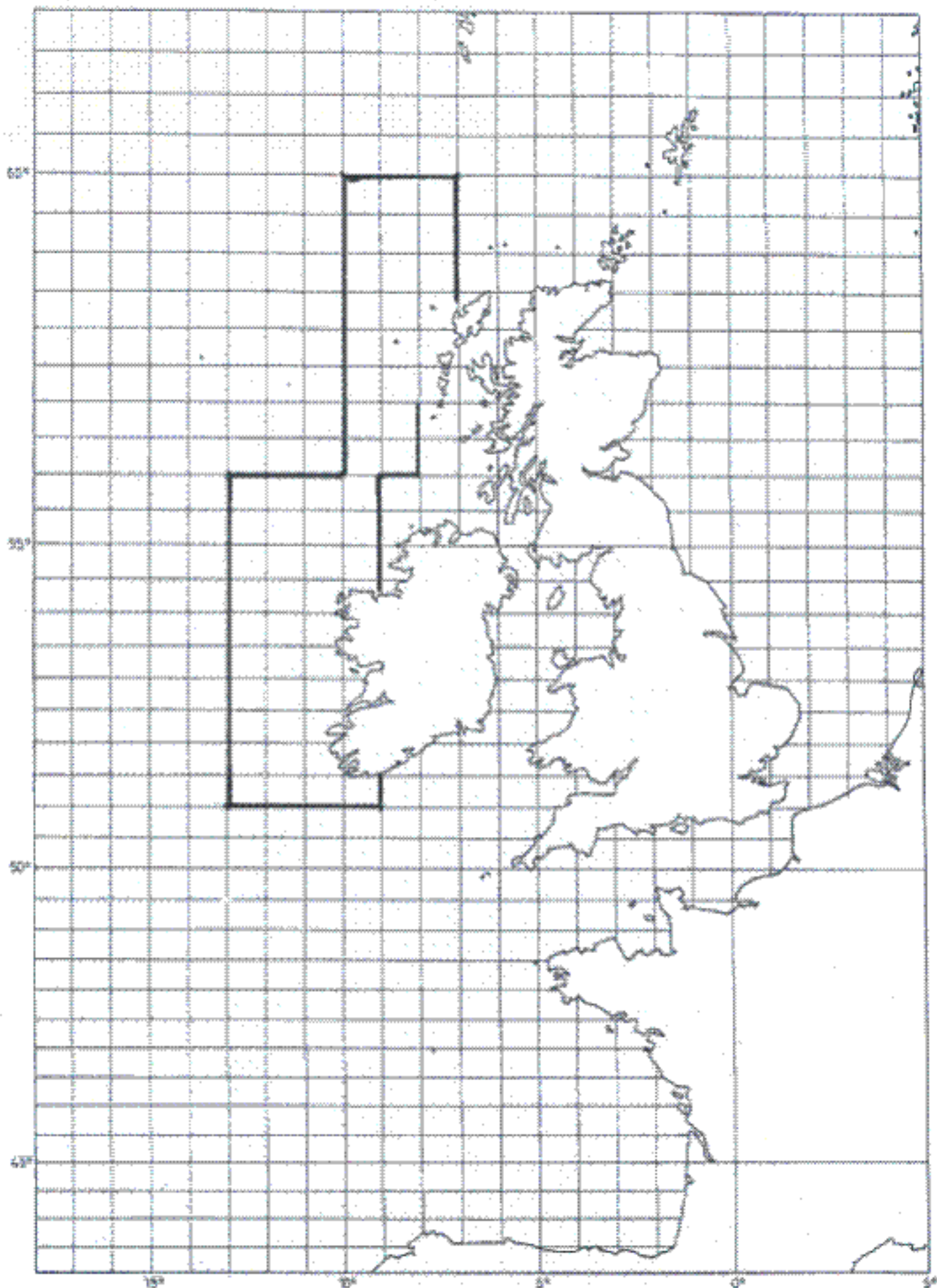


Figure 1.

Mackerel tagging in May-June 1997.  
Cruise no 1997802: MV «Volstad Jr»,  
12 May - 1 June 1997.

Tagging was carried out in the areas  
(statistical rectangles) that are marked.

Norw.area 42 = ICES area IV a  
43 = VI a  
48 = VII bc  
49 = VII j

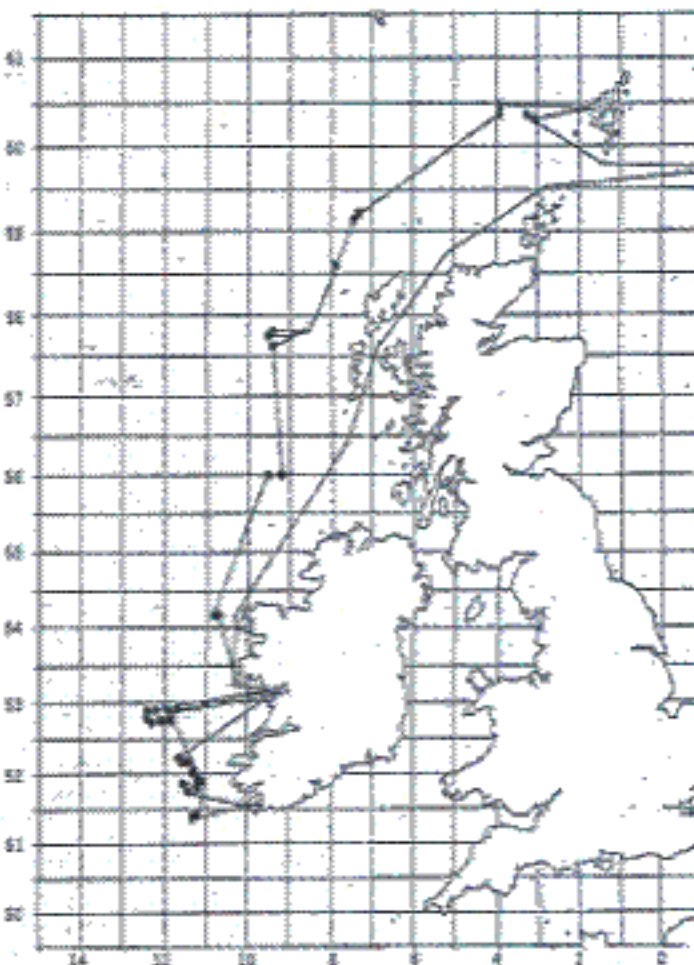
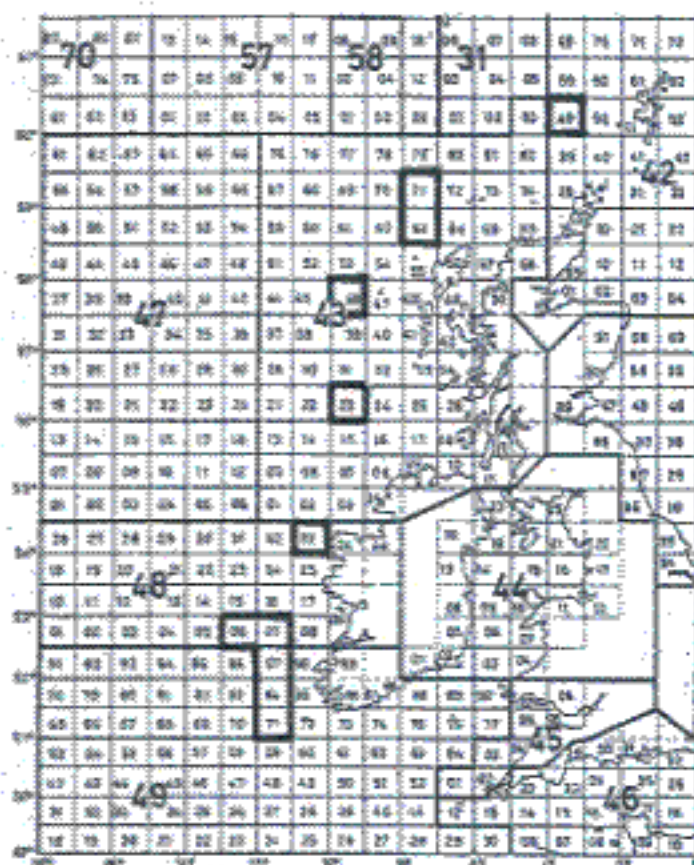


Figure 2.

Mackerel tagging in May-June 1997.  
Cruise no 1997802: MV «Volstad Jr»,  
12 May - 11 June 1997.

Sailing track and fishing/tagging positions.