

NOTIFICATION OF PROPOSED RESEARCH CRUISE

PART A: GENERAL

1. NAME OF RESEARCH SHIP: **“Havglans”** CRUISE NO: **2013828**
2. DATES OF CRUISE: From: **30 April 2013** To: **29 May 2013**
3. OPERATING AUTHORITY: **Institute of Marine Research
P.O.Box 1870 Nordnes
N-5817 BERGEN, Norway**

TELEPHONE: **+47 55 23 85 00**
TELEFAX : **+47 55 23 85 31**
4. OWNER (if different from no. 3): **Havglans A/S
Sjøneset 16
5334 Hellesøy**

TELEPHONE: **+4756388161/+4798098235**
EMAIL **einarsaele@hotmail.com**
5. PARTICULARS OF SHIP: Name: **“Havglans”**
Nationality: **Norwegian**
Overall length: **62,6 metres**
Maximum draught: **6,50 metres**
Net tonnage: **454**
Propulsion: **Diesel 4078 HP**
Call sign: **LCUZ**
Registration port and number
(if registered fishing vessel)
Bergen, H-5-ØN
6. CREW: Name of master: **Roger Vik**

Number of crew: **6**
7. SCIENTIFIC PERSONNEL: Name and address of scientist in charge: **Erling Kåre Stenevik (project leader)
Aril Slotte (coordinator)
Jostein Røttingen (cruise leader)**

Tel/telex/fax no.: **As in # 3 above**
No. of scientists: **5**
8. GEOGRAPHICAL AREA IN WHICH SHIP WILL OPERATE (with ref. to latitude and longitude):
W of Ireland, from ca 51°N to 56°N, from 9°W to 13°W, mainly ca 15 n.miles or more off the coast.
W of Scotland, from ca 56°N to 60°N, from 7°W to 10°W, mainly along the slope (150 m to 400 m depth).
9. BRIEF DESCRIPTION OF PURPOSE OF CRUISE:
Tagging and biological sampling of mackerel as part of studies on the European mackerel stocks.
10. DATES AND NAMES OF INTENDED PORTS OF CALL:
Galway, ca 16 May 2013

11. ANY SPECIAL REQUIREMENTS AT PORTS OF CALL:
Normal supplies only (water, food, oil)

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PART B: DETAIL

1. NAME OF RESEARCH SHIP: "**Havglans**" CRUISE NO: **2013828**
2. DATES OF CRUISE: From: **30 April 2013** To: **29 May 2013**
3. a) PURPOSE OF RESEARCH:
Tagging and biological sampling of mackerel as part of studies on the European mackerel stocks.
- b) GENERAL OPERATIONAL METHODS (including full description of any fish gear, trawl type, mesh size, etc.)
4 jigging machines, each with ca 15 hooks.
Tagging the fish and releasing them immediately after tagging.
4. ATTACH CHART showing (on an appropriate scale) the geographical area of intended work, positions of intended stations, tracks of survey lines, positions of moored/seabed equipment, areas to be fished:
W of Ireland, from ca 51°N to 56°N, from 9°W to 13°W, mainly ca 15 n. miles or more off the coast.
W of Scotland, from ca 56°N to 60°N, from 7°W to 10°W, mainly along the slope (150 m to 400 m depth).
5. a) TYPES OF SAMPLES REQUIRED (e.g., geological/water/plankton/fish/radionuclide):
Fish only (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, and quantity of fish to be retained on board):
Fishing with jigging machines, "the western mackerel stock". Tagging and releasing ca 30000 fish. Biological sampling of ca 1000 fish.
6. DETAILS OF MOORED EQUIPMENT:
- | Dates | Laying | Recovery | Description | Depth | Latitude | Longitude |
|-------|--------|----------|-------------|-------|----------|-----------|
| | | | | | | |
- None**
7. ANY HAZARDOUS MATERIALS (chemicals/explosives/gases/radioactives, etc).
(Use separate sheet if necessary)
- a) Type and trade name **NIL**
- b) Chemical content (and formula) **NIL**
- c) IMO IMDG code (reference and UN no.) **NIL**
- d) Quantity and method of storage on board **NIL**
- e) If explosives give date(s) of detonation **NIL**
- Method of detonation
 - Position of detonation
 - Frequency of detonation
 - Depth of detonation
 - Size of explosive charge in kg.

8. DETAIL AND REFERENCE OF:
- a) Any relevant previous/future cruises
The tagging and sampling programme started in 1968 and will probably continue.
 - b) Any previously published research data relating to the proposed cruise
Cruise reports
9. NAME AND ADDRESSES OF SCIENTISTS OF THE COASTAL STATE(S) IN WHOSE WATERS THE PROPOSED CRUISE TAKES PLACE WITH WHOM PREVIOUS CONTACT HAS BEEN MADE:
- Ireland: Dr M. Clarke, Marine Institute, Rinville, Oranmore, Co. Galway, Ireland.**
 - UK: FRS Marine Laboratory, 375 Victoria Road, AB11 9DB Aberdeen, Scotland.**
10. STATE:
- a) Whether visits to the ship in port by scientists of the coastal state concerned will be acceptable (Yes/No):
Yes
 - b) Participation of an observer from the coastal state for any part of the cruise together with the dates and the ports for embarkation and disembarkation:
Participation possible.
Bergen, 30 April 2013 (start of cruise), Galway, ca 16 May 2013, Bergen, 29 May 2013 (end of cruise).
 - c) When research data from the intended cruise is likely to be made available to the coastal state and by what means:
Basic data available in Cruise report about one month after cruise.

PART C. SCIENTIFIC EQUIPMENT

Complete the following table using a separate page for each coastal state

Coastal state: **Ireland and UK**

Port call: **Galway**

Dates: **ca 16 May 2013**

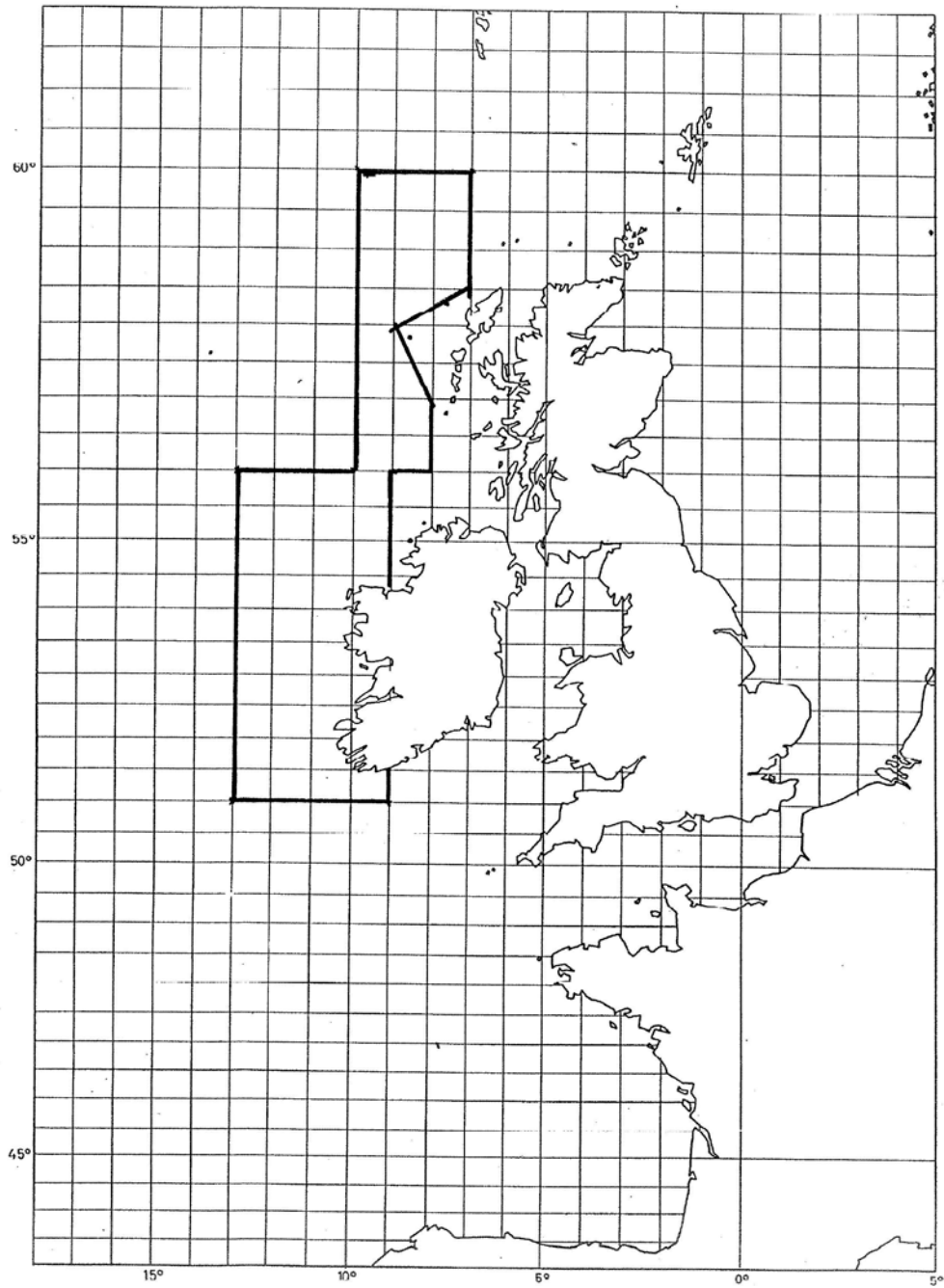
Indicate "YES or "NO"

				DISTANCE FROM COAST		
<u>List scientific work by function</u> e.g. Magnetometry Gravity Diving Seismics Seabed sampling Bathymetry Trawling Echo sounding Water sampling U/W TV Moored instr. Towed instr.	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 4 nm	Between 4-12 nm	Between 12-200 nm
Fishing/tagging	No	Yes	No	No	Yes	Yes



Date:

NB. 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.



Mackerel tagging west of Ireland and Scotland in May 2013: Approximate limits of operation. Most of the work will be carried out along the edge of the continental shelf.