

R1/6

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FRV *Clupea*

Cruise 1004C

REPORT

23 June – 12 July 2004

Ports

Loading: 23 June, Fraserburgh

Half Landing: 2 July, Fraserburgh

Unloading: 12 July, Fraserburgh

Personnel

| | |
|----------|------------------------|
| T Howell | In charge (2-12 July) |
| S Davis | In charge (11-21 July) |
| J Donald | (2-21 July) |

Fishing Gear: Scallop dredges

Costs to Project: 20 days MO1TA

Objectives

1. To carry out a survey of scallop stocks in the North Sea.
2. To collect information on by-catches of other commercial fish and shellfish species.
3. To collect biological data on scallop ring measurements.
4. To collect ASP/PSP samples for analysis, if required.

Narrative

The scientific staff joined FRV *Clupea* at 0800 hours on 23 June and sailed from Fraserburgh at 0900 hours. Sampling began West of Fraserburgh shortly afterwards and *Clupea* continued to work westwards along the Moray coast. Sampling of the North East Management Area grounds continued over the following 8 days (see Fig. 1), but was hampered by unseasonably poor weather. Despite this most of the North East tows were completed prior to the half-landing in Fraserburgh on 2 July. Sampling recommenced on 3 July East of Fraserburgh and, taking advantage of a period of more settled weather, *Clupea* covered the East Coast Management Area grounds over the following 6 days. *Clupea* then returned to complete missed tows in the Moray Firth over the next 3 days, completing the cruise in Fraserburgh on 11 July.

Results

During the trip 111 dredge hauls were made and a total of 5214 scallops were caught. The position of each haul is shown in Figure 1. Catch rates varied from a minimum of 0/hr.m to a maximum of 60/hr.m. The aggregate catch rates for each statistical rectangle, expressed in numbers per hour per metre width by age, are shown in Figure 2. The individual graph headings in Figure 2 show the overall catch rate for each statistical rectangle. The length

frequencies in numbers caught per half centimetre length category are shown in Figure 3. The individual graph headings in Figure 3 show the percentage of scallops less than 100 mm for each statistical rectangle. The numbers of each by-catch species caught is given in Table 1.

T Howell
31 January 2005

Table 1

| SPECIES | NUMBERS CAUGHT |
|----------------------------|----------------|
| Aequipecten opercularis | 222 |
| Aspitrigla cuculus | 1 |
| Buccinum undatum | 74 |
| Cancer pagurus M | 58 |
| Cancer pagurus F | 49 |
| Lepidorhombus whiffiagonis | 1 |
| Limanda limanda | 22 |
| Lithodes maja M | 21 |
| Lithodes maja F | 39 |
| Lophius piscatorius | 44 |
| Microstomus kitt | 7 |
| Necora puber M | 7 |
| Necora puber F | 4 |
| Neptunea antiqua | 214 |
| Pleuronectes platessa | 35 |
| Raja naevus M | 8 |
| Raja naevus F | 19 |
| Scyliorhinus canicula M | 1 |
| Scyliorhinus canicula F | 1 |

Figure 1 East Coast Scallop Survey 2004

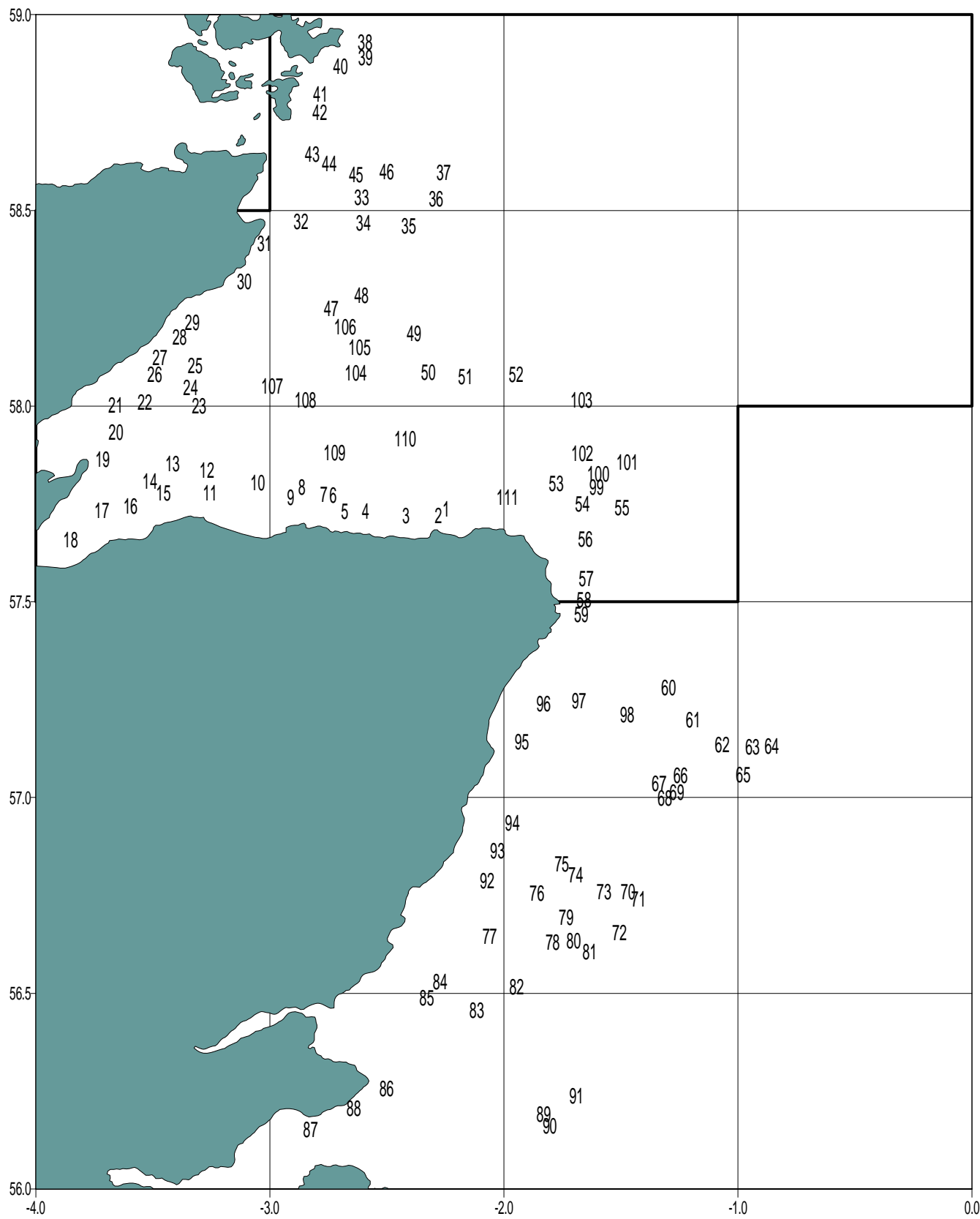


Figure 2

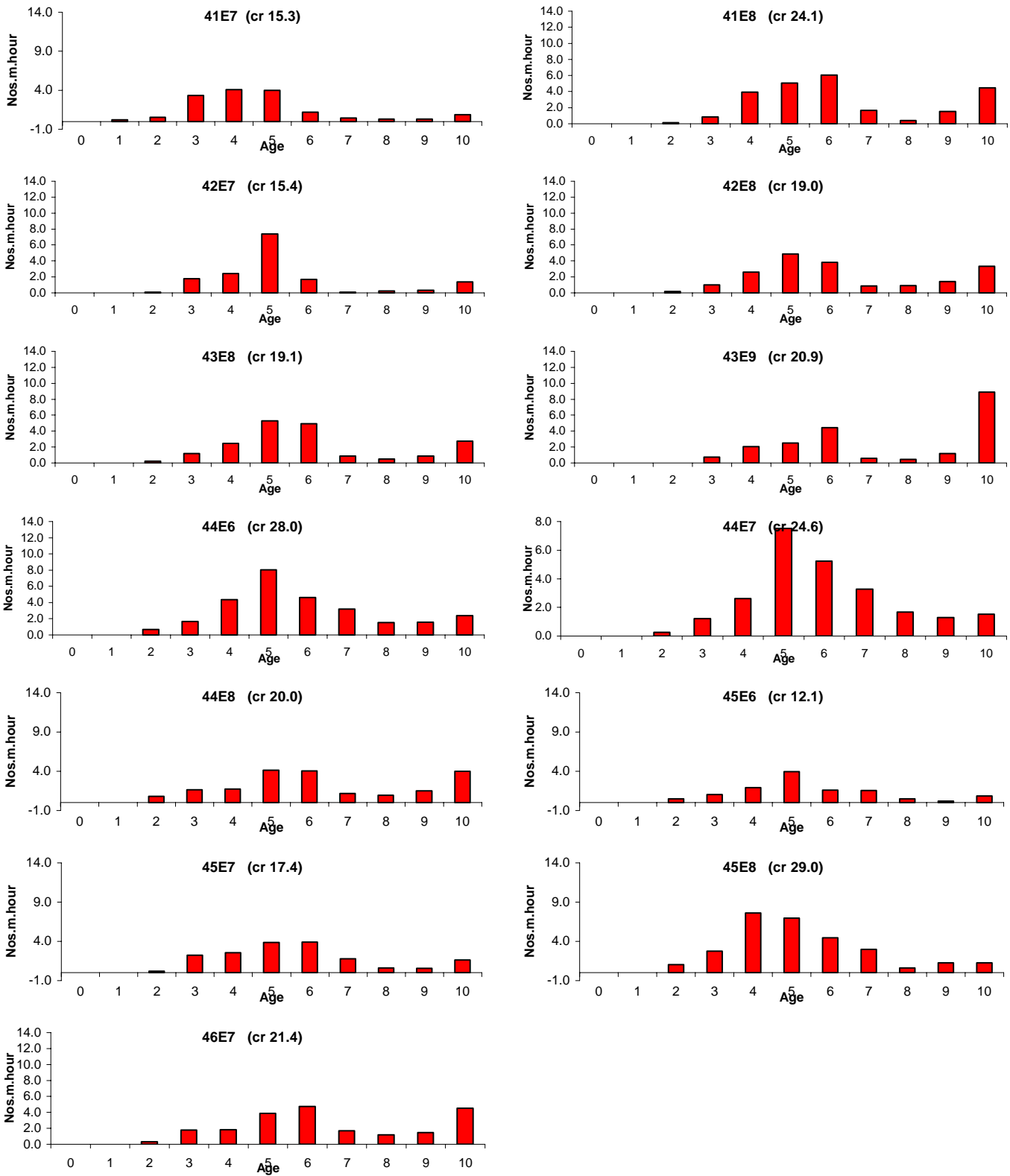
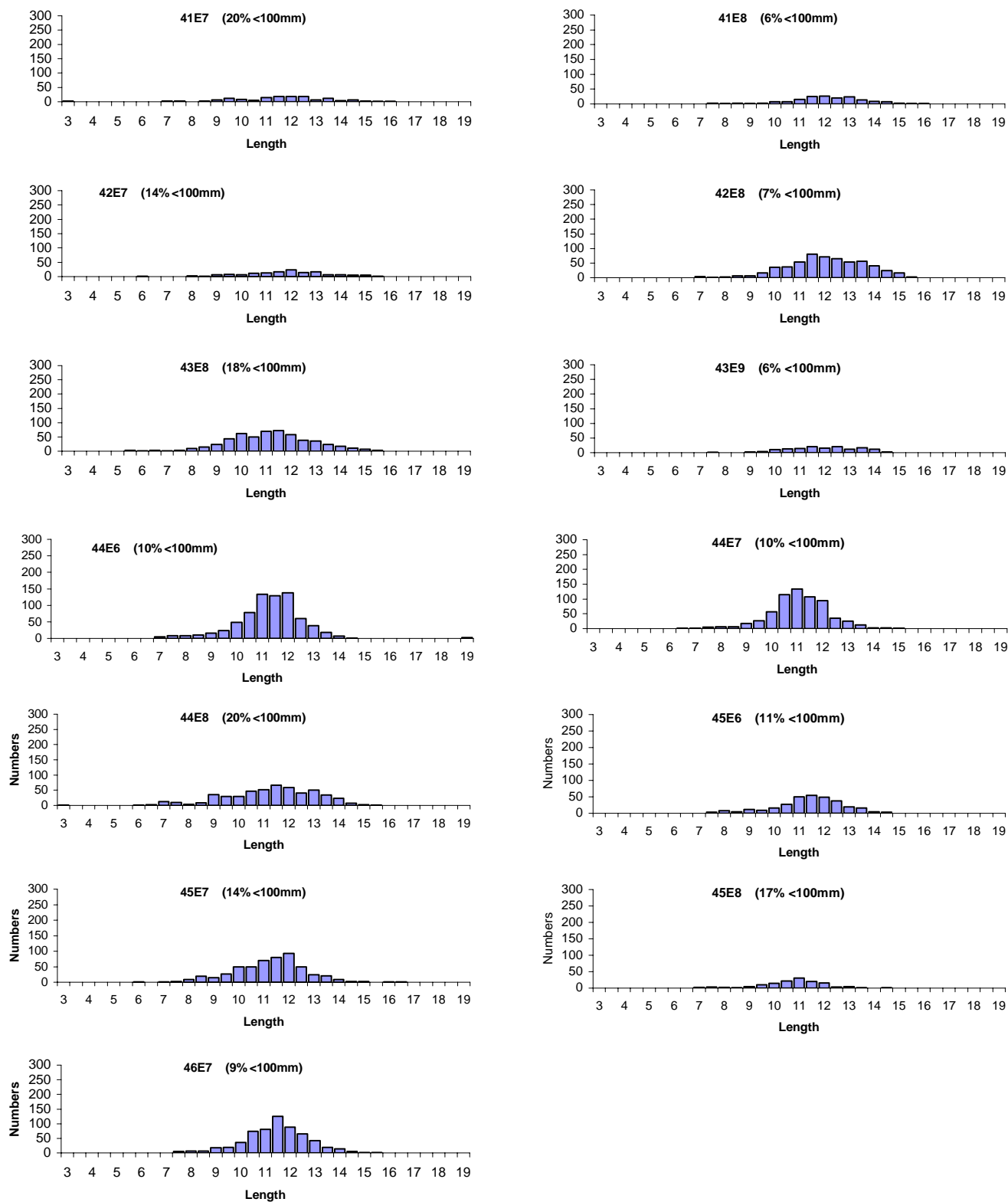


Figure 3



Circulation List: Cruise Programmes and Reports

CLUPEA VESSEL

Programmes - Mr J A Morrison for approval. Reports - Mr J A Morrison for approval.

Issue two copies of Record of Haul and Station Numbers pro-forma with Scientist-in-Charge's copy of *Scotia* and *Clupea* programmes.

Two xerox copies of track chart for reports to be sent to Dr L Rickards.

PROGRAMMES ONLY

Lab staff

~~Mr J T M Hunter~~
~~Mr T Reid~~
~~Mr P J Copland~~
~~Mr J Dunn~~
~~Mr A Beaton~~
~~J Petrie~~
~~Security~~

Non-lab staff

~~Island Cmdr Faroes (Faroes only)~~
~~Flag Officer, Denmark (Danish part of N Sea only)~~
~~Coastguard~~
~~G Lees~~

PROGRAMMES AND REPORTS

Lab staff

Mr J A Morrison
Capt R Denholm
Mr R S T Ferro) Fish Man team
Mr C Hall) progs only
Dr R M Stagg
Dr C Moffat
Mr M R Heath
Mr A Macdonald
D Lichtman (+ additional copy of track chart
of reports only)
Mrs E Morrison
CO/OIC of Vessel (*Scotia*) (to be faxed)
Library (2)
File

Non-lab staff

~~Library, Danmarks Fisk (reports only)~~
~~Mr J Mortensen (Faroes only)~~
Mr A Souplet (Fishing Cruises only)
~~Dr S Ehrich (Entering German Waters) (reports only)~~

W J McCurdy, Belfast
Technical Director, SFIA (J E Tumilty)
Dr L Rickards
Dr I Joint
Director – Havfor Inst, Norway
Dr S Ehrich
Monsieur le Chef du dépt, Nantes
Mr J C Brabant
Mrs van Duyvenvoorde
Dr J G Gordon
G Kane
R de Clerck
Mr B Stewart
Capt J Cannan (*Scotia* and *Clupea* only)
Controller Coastal Ops - A Stewart
Dr P Grieg-Smith
Mr H C Boyar
Dr R J A Atkinson
Mr H i Jákupsstovu
Mr C Bullimore (To be faxed: 01923 846392)

Laboratory Personnel on Vessel

T Howell
S Davis
J Donald

Fishery Officers at

Fraserburgh