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Not to be cited without prior reference to the FRS Marine Laboratory, Aberdeen

FRV *Scotia*

Cruise 0705S, Part 2

PROGRAMME

28-31 May 2005

***In setting the cruise programme and specific objectives, etc the Scientist-in-Charge needs to be aware of the restrictions on working hours and the need to build in adequate rest days and rest breaks as set out in FRS' Working Time Policy (which is published on the Intranet). In addition, the Scientist-in-Charge must formally review the risk assessments for the cruise with staff on-board before work is commenced.**

In the interest of efficient data management it is now mandatory to return the Cruise Report, to John Morrison and the Cruise Summary Report (old ROSCOP) form) to Dougal Lichtman, within four weeks of a cruise ending. In the case of the Cruise Summary Report a nil return is required, if appropriate.

Personnel

*David Bruno (SIC)
Alistair McIntosh
Julie King
Campbell Pert
Rachel Kilburn
Elaine Moore
Gillian Packer
Margaret McKenzie
Oliver Rault PhD student

Fishing Gear

BT 101 (48' Aberdeen trawl) with tickler chain and small mesh cod end.

Out turn days per project: 2.7 days AE11a; 1.3 days AE08o

Objectives

- To perform a fish (cod, haddock, dab) disease survey at Moray Firth, east of Orkney, Bell Rock, Marr Bank, Wee Bankie and St Abbs using standard ICES protocols for external fish diseases.
- To collect copepod parasites of the genus *Learnocera* from the gills of gadoid fish, (principally cod, haddock and whiting), as well as flatfish (principally flounder and lemon sole). Collect and preserve parasites for morphological and genetic analysis to determine degree of specificity of parasite with host.

- To collect tissues from common dab for mixed function oxidase activity and PAH bile metabolites. Obtain grab samples from each station and analyze for PAH.
- To conduct a pilot study on the prevalence and culture potential of the copepod parasite *Clavella adunca* from haddock.
- To prepare images of parasites from the examination and dissection of gadoids and other fish species.

Procedure

Scotia will work in the Moray Firth, east Orkney, Bell Rock, Marr Bank, Wee Bankie and St Abbs areas obtaining fish samples by trawling and sediments by grab sampling. The cruise will start and terminate in Aberdeen.

J A Morrison
6 April 2005

SCOTIA 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
Mrs 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) – **E-MAILED COPY**
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

Fishery Officers at

David Bruno
Alistair McIntosh
Julie King
Campbell Pert
Rachel Kilburn
Elaine Moore
Gillian Packer

Aberdeen

Margaret McKenzie
Oliver Rault c/o D Bruno