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Not to be sited without prior reference to the Marine Laboratory, Aberdeen

FRV *Scotia*

Cruise 0102S

REPORT

7-13 January 2002

Ports

Loading: Aberdeen, 4 January
Unloading: Aberdeen, 14 January

Personnel

Pam Simpson (In charge)
Colin Megginson
Lynda Webster
Gill Packer

Fishing Gear: BT 101

Objectives

- 1. To undertake water, sediment and biological sampling for the National Marine Monitoring Programme (NMMP).
- 2. To collect water samples for hydrographic studies.

Days per project: AE11p, 7 days

Narrative

Scotia sailed 7 January at 1100 hours to the NMMP Tay/Forth site where sampling commenced at 1500 hours. The NMMP sites in the Moray Firth and the Minches were sampled on 8 and 9 January. *Scotia* then made passage to the Clyde NMMP site. The NMMP sites at the Clyde and the Solway Firth were sampled on the 10 and 11 January. *Scotia* docked in Aberdeen at the end of the cruise at 1700 hours on 12 January.

During passage, water samples were collected between the Mull of Kintyre and Wick for hydrographic analysis.

Results

All Scottish NMMP offshore sites were occupied. At all sites water, sediment and sediment samples were obtained. Additional sediment and water samples were collected in the vicinity of the trawl ground at NMMP site 85. A sufficient return of the target species (plaice) was obtained at all but one of the NMMP sites, namely the Firth of Clyde.

NMMP Sampling Sites

Sampling site	Latitude	Longitude
NMMP 165 Forth/Tay (Montrose Bank)	56°30.00'N	01°30.00'W
NMMP 105 Offshore Moray Firth	58°03.00'N	03°00.00'W
NMMP 95 Intermediate Moray Firth	57°40.00'N	03°49.00'W
NMMP 85 Minches (Trawl site)	58°17.00'N	06°11.00'W
NMMP 85 Minches (Sediment + Water site)	58°00.00'N	05°40.00'W
NMMP 35 Firth of Clyde (Ailsa Craig)	55°20.00'N	05°05.00'W
NMMP 25 Solway	54°45.00'N	04°00.00'W

Seventy-one water samples were collected between the Mull of Kintyre and Wick as part of the Scottish Coastal Eutrophication Assessment Survey.

All samples were preserved and returned to Aberdeen for subsequent analysis.

Pam Simpson
25 January 2002

Seen in draft: P Ramsay (OIC, *Scotia*)