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Not to be cited without prior reference to Marine Scotland, Marine Laboratory, Aberdeen

Cruise 1109H

MFV *Rambling Rose*

PROGRAMME

12-31 May 2009

Ports

Loading: 12 May, Toberonochy Quay, Isle of Luing.
Half landing: Toberonochy Quay, Isle of Luing.
Unloading: 31 May, Toberonochy Quay, Isle of Luing.

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 Marine Scotland's Working Time Policy (Lab Notice 34/03). 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 Iain Gibb 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.

Scientific Personnel
T Howell 12 – 31 May

Gear
Supplied by vessel:
Scallop gear 8 commercial scallop dredges per side.
Separate dedicated winch for grab sampling

Supplied by Marine Scotland:
2 day grabs
Grab table
2 sieves
250 m, 6 mm winch cable
Sample tubs and Formalin

Costs to Project: 20 days MF02Q

Objectives

- To scallop dredge at least 3 sub-sites immediately outside the Firth of Lorn SAC using a commercial charter vessel.

- To collect sediment from predetermined areas for the purposes of particle size analysis

The purpose of the trip is to carry out an impact/BACI study of scallop dredging in the Firth of Lorn. Two vessels will be involved in the study: the research vessel *Alba na Mara* and a commercial scallop dredger the *Rambling Rose.* The survey will collect baseline survey data (species information and population abundances) for 3 sites in and around the Firth of Lorn SAC. Each of the 3 survey sites will be split into three sub-sites: an impact sub-site immediately outside the SAC; a control sub-site outside the SAC and adjacent to the impacted site; and a nearby control sub-site within the boundaries of the SAC. All 9 sub-sites will be surveyed by the *Alba na Mara* using the UW camera frame developed during 0409A. Grab and sediment samples from one site of the west-coast of Jura, which is potentially sandier that the 2 other sites, may be collected by the *Rambling Rose.* The *Rambling Rose* will also be used to dredge the 3 designated "impact" sub-sites. *Alba na Mara* will return within 4 days of dredging to the impacted sub-sites in order to re-survey the benthic community. The survey component in this trip will be repeated during July on the 1209A cruise in order to examine medium term effects.

General

On the 12 May the scientific equipment will be loaded on to the Rambling Rose and the grab wire spooled onto the designated winch. Sample tubs, formalin and other equipment not immediately required on board will be transferred to a locked secure container ashore. The remainder of the day will be spent setting up the Day grab, the navigation equipment and carrying out sea trials to refine handling procedures. The following day contact will be established with the *Alba na Mara* and the scientific programme will start. The remainder of the cruise will be spent in and around the boundaries of the Firth of Lorn SAC. The two vessels will work together, with *Alba na Mara* surveying and re-surveying the sites dredged by the *Rambling Rose*. Both vessels will remain in regular contact using the ship's systems and/or mobile phones. If the substrate is suitable, the *Rambling Rose* will also commit to a schedule of grabbing in one of the designated sites. Chemicals and sample tubs for this operation will be housed onshore in a locked secure container.

Normal contact will be maintained with the Laboratory.

Contact numbers
Rambling Rose
07747696717 (daytime)
01852 314295 (evening)

Alba na Mara:
07500066962 (Cellnet)

Submitted
T Howell
5 May 2009

Approved:
I Gibb
6 May 2009