

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

Cruise 1510A

FRV *Alba na Mara*

PROGRAMME

5-16 November 2010

Ports

Loading: 3 November, Greenock

Unloading: 16 November, Fraserburgh

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 I Gibb and the Cruise Summary Report (old ROSCOP form) to M Geldart, within four weeks of a cruise ending. In the case of the Cruise Summary Report a nil return is required, if appropriate.

Personnel

P Boulcott (SIC)

J Hunter

D Bova

Gear

Pyramid frame

2 x UW TV cables

Kongsberg DSC and MSC video cameras

AV support equipment

ROV, umbilical and control systems

Estimated Days per Project: 12 days MF02Q

Objectives

- Collect time series data on scallop abundance in the Lamlash Bay area.
- Conduct ROV trials within the environs of Lamlash Bay.
- If ROV trials prove to be successful, we propose to survey shallow areas of the NTZ omitted by previous SNH and MSS surveys.

In September 2008 part of Lamlash Bay, Arran, became a community marine reserve and is now a no take zone (NTZ), the purpose of which is to help protect and enhance biodiversity. In addition to the enhanced biodiversity there is also an expectation that the no take zone will result in the scallop stocks being enhanced. A baseline survey collected data on the scallop abundance in and around the NTZ in June 2009 was completed by Marine Scotland Science. This survey will collect further data relating to scallop abundance in 2010. Data on other epibenthic species can be generated from the survey images and these will be made available to MS and external organisations such as SNH.

General

The camera drop frame, TV winch cables, video equipment, and ROV system will be loaded and setup in Greenock. Weather permitting, *Alba na Mara* will make passage from Greenock to Lamlash Bay on the afternoon of the 5 November after final loading. The rest of the first day will be used to ensure that the crew are familiar with deploying the equipment. The remainder of the cruise will be spent in and around the boundaries of the NTZ – i.e. the NTZ, the remaining area of the bay to the west of the NTZ, and a coast strip of water running directly north to south on the east side of the NTZ. It is expected that during this period both a camera drop survey and an ROV survey will be performed. The vessel will then return to Fraserburgh for unloading on 16 November.

Normal contact will be maintained with the Laboratory.

Submitted:
P Boulcott
26 October 2010

Approved:
I Gibb
26 October 2010

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PROGRAMME AMENDMENT

L Clark (SNH) will now join the cruise from 11 – 16 November 2010.

I Gibb

4 November 2010