

P17/6

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FRV *Alba na Mara*

Cruise 0610A

## **PROGRAMME**

12-28 May 2010

**Loading:** Ullapool, 10 May 2010

**Crew change:** Oban, 18 May 2010

**Unloading:** Fraserburgh, 28 May 2010

**Working:** Surveys of sea disposal sites at Stornoway, Thurso, Scrabster, Gills Bay, Crowlin Islands, Isle of Eigg, Isle of Muck, Portnahaven, Wick, Sutors and Helmsdale (some as contingency sites). Underwater TV surveys to be carried out at Kyle Rhea, W Islay, SW of Tiree and Beatrice.

**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**

C Megginson

C Shand

P Stainer

P Hayes

A Sutherland

G Graham

R Duncan

## **Sampling Gear**

TV drop frame, TV winch and armoured cable, Day grab, RoxAnn

## **Project Code**

AE02n -17 days

## **Objective**

1. To undertake underwater TV (UTV) and RoxAnn surveys of Kyle Rhea in advance of the proposed deployment of marine tidal devices in the area.

2. To undertake sediment grabs, underwater UTV and RoxAnn surveys of the marine renewable energy sites south west of Tiree and west of Islay in advance of proposed offshore wind farm development, amounting to the proposed generation of 2180MW total capacity.
3. To undertake sediment grabs, UTV and RoxAnn surveys of an unused disposal site south of Crowlin Islands and inspection for the distribution of man-made debris with a view to reusing the site, following up on the 2008 surveys.
4. To undertake sediment grabs, underwater UTV and RoxAnn surveys of the west coast sea disposal sites at Stornoway, Isle of Eigg, Isle of Muck and Portnahaven identifying the predominant benthic epifauna species, and the distribution of man-made debris (some as contingency).
5. To undertake sediment grabs, underwater UTV and RoxAnn surveys in the Loch Linnhe area as part of an investigation into suitable disposal sites for Glensanda quarry waste.
6. To undertake sediment grabs, underwater UTV and RoxAnn surveys of the sea disposal sites at Scrabster and Thurso prior to the major redevelopment project of Scrabster harbour.
7. To undertake sediment grabs, underwater UTV and RoxAnn surveys of the sea disposal site at Gills Bay to supplement data obtained during 2009 in preparation for potential repositioning of the site.
8. To undertake sediment grabs, underwater UTV and RoxAnn surveys of Moray Firth sea disposal sites at Wick, Helmsdale and Sutors (some/all as contingency).
9. To undertake sediment grabs, underwater UTV and RoxAnn surveys of the Beatrice offshore wind site (contingency).
10. Sediment samples for Objectives 2 - 9 will be analysed for chemical and physical parameters.

## **Procedure**

C Shand and some of the UTV equipment will join the *Alba na Mara* on 10 May at Ullapool in order to make the necessary preparations and amendments to the drop frame and UTV equipment which will be on board from the previous trip. The remaining scientific staff and equipment will join the *Alba na Mara* on 12 May at Ullapool. The *Alba na Mara* will depart Ullapool as soon as possible, and proceed south via Kyle Rhea to the marine renewable energy sites south west of Tiree and west of Islay to start the work programme outlined in Objectives 1-9. Each of the areas of proposed works will, where feasible, be surveyed in sequence. The crew change will be made on 18 May, at Oban, where P Hayes and A Sutherland will be replaced by G Graham and R Duncan. The *Alba na Mara* will depart Oban and head north to complete the remaining objectives. On completion of these surveys the *Alba na Mara* will head back to Fraserburgh for 28 May 2010.

Submitted:

*C Megginson*, 26 April 2010

Approved:

*I Gibb*, 30 April 2010.