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FRV *Scotia*

Cruise 1009S

## PROGRAMME

19 July – 5 August 2009

**Loading:** Aberdeen, 16 July

**Change-over:** Scrabster, 27 July

**Unloading:** Aberdeen, 5 August

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.

## Personnel

P Hayes	19 July - 5 August
C Megginson	19 July - 5 August
J Heron	19 July - 5 August
P Stainer	19 July - 5 August
M Robertson	19 July - 5 August
C Shand	19 July - 5 August
D Moore	19 July - 27 July
P Copland	19 July - 27 July
E Armstrong	27 July - 5 August
G Graham	27 July - 5 August
A N Other (visitor)	19 July - 5 August
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**Fishing gear:** Day grabs; TV drop frame and sledge; Agassiz trawls; Swathe multibeam echosounder system; RoxAnn/Echoplus system; CTD; tide gauges and hull mounted ADCP.

## Objectives

1. To survey sites in connection with offshore wet renewables development within the Pentland Firth and areas adjacent to Orkney. Contingency survey work is included, undertaking the same survey work outside the Pentland Firth and Orkney. This includes sites to the west of Lewis and southwest of Islay.

**Estimated Days per Project:** 18 days AEO8b

## Procedure

*Scotia* will depart from Aberdeen on Sunday 19 July. The nature of the work will be heavily dependant on the prevailing weather and tidal conditions encountered. The proposed survey work for the Pentland Firth and Orkney is very similar to the work undertaken in 2008. The survey work will involve the deployment of a tide gauge and a series of transects collecting swathe data. The deployment of the TV drop frame (with CTD attached), and where practical, the day grab, will be undertaken at slack water within the Pentland Firth. Similar restrictions may not apply to sites outside the Pentland Firth. Prior to each of the swathe surveys a sound velocity profile will be recorded. Transects collecting current velocity data will also be completed using the hull mounted ADCP over 13 hour periods. A half landing will take place at Scrabster on 27 July with an exchange of scientific staff.

The sites outside the Pentland Firth and Orkney will be surveyed in the same manner as above but may also include the deployment of the Agassiz trawl and TV sledge providing sea bed conditions are suitable.

*Scotia* will return to Aberdeen on 5 August to disembark staff, all equipment and samples will be removed.

Submitted:  
P Hayes  
26 June 2009

Approved:  
I Gibb  
7 July 2009.