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MRV *Alba na Mara*

Survey 1418A

## **PROGRAMME**

Part 1: 12-14 September 2018

Part 2: 16-25 September 2018

### **Ports:**

**Loading:** Fraserburgh, Part 1: 10 September 2018  
Aberdeen (TBC), Part 2: 16 September 2018

**Unloading:** Fraserburgh, 25 September 2018

In setting the survey 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 survey with staff on-board before work is commenced.

In the interest of efficient data management it is now mandatory to return the Survey Report, to I Gibb and the Survey Summary Report (old ROSCOP form) to M Geldart, within four weeks of a survey ending. In the case of the Survey Summary Report a nil return is required, if appropriate.

### **Personnel**

#### **Part 1**

R Kynoch (SIC)

L Barros

N Mcleod (TBC)

#### **Part 2**

P Stainer (SIC)

R Main

A N Other (TBC)

B Ruck Visitor, Moray Marine

**Costs to Project:** Pt 1: 20491 3 days. Pt 2: 20231, 9 days

#### **Equipment: Part 1**

BT 158 – New design with guard meshes.

Trawl doors, sweeps, bridles, backstrops and pennants.

Standard ground gear incorporating rockhopper centre section

Live fish codends

2 x Vonin plastic 'Flyers' (net kites)

**Equipment: Part 2**

Moray Marine ROV

**Objectives Part 1:**

- Live fish capture for tank based trials in MSS Fish Behaviour Unit.
- To trial new Vonin 'Flyer' headline kites.

**Objectives Part 2:**

- To recover VR2Tx salmon detectors between Ythan Estuary and Findon Ness by ROV. Numbers O23 to O41 and O93 to O100 (situated just off Aberdeen). And search for 2 missing moorings as time and tide allow. Last recorded positions 57° 07.751' N : -1° 54.141W and 57° 03.271': -2° 01.912'W

**Procedure Part 1:**

Equipment will be loaded onto MRV *Alba na Mara* at Fraserburgh on 10 September, where the trawl and wire rig will be rigged onto the net drum. Scientific staff will join *Alba* around 08:30 on 12 September and rig the live fish codend onto BT158. Once rigging is completed the vessel will sail to suitable grounds off Aberdeen and complete shakedown tows with the new BT158 to ensure the trawl fishes correctly.

Short hauls will then be made to trial new Vonin headline kites and to assess available fish species on the grounds. For the remainder of the survey short (five to ten minute) hauls will be made to obtain live healthy fish for tank based trials back at the Marine Lab Fish Behaviour Unit (FBU). Each afternoon fish will be collected from Aberdeen harbour (TBC) by MSS aquarium and transported back to the marine lab FBU.

**Procedure Part 2:**

The vessel will depart Aberdeen (TBC) and, weather dependant, proceed to recover VR2Tx moorings in the Aberdeen Bay array. The vessel will anchor at each location to allow ROV operations to be undertaken. Using the slack tidal windows for ROV operations and the more tidal part of the cycle for locating and recovering VR2AR moorings.

The vessel will operate daily from Aberdeen (TBC) and staff on part 1 will stay ashore during the survey.

Normal contacts will be maintained with the laboratory.

Submitted:  
R Kynoch / R. Main  
04 September 2018

Approved:  
I Gibb  
06 September 2018