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MRV *Alba na Mara*

## Survey 1218A

### PROGRAMME

13-22 August 2018

#### Ports

**Loading:** Fraserburgh, 07 August 2018

**Unloading:** Fraserburgh, 22 August 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

P Stainer (SIC)  
R Watret  
R Culloch  
P Navarro Chevallard  
M Latva (PhD Student)

**Project:** 20231, 10 days

**Gear:** Subsurface PAM moorings

#### Objectives:

1. To retrieve and deploy a series of acoustic release systems (19 subsurface moorings) with attached acoustic recording devices (19 C-POD, 6 SM2M and 1 sound recorder) as part of the east coast marine mammal monitoring programme and JOMOPANS project (see Table 1 and Figure 1).

#### Procedure:

Loading of all equipment will be carried out on 7 August 2018. *Alba na Mara* will sail from Fraserburgh on the morning of 13 August and make for the first mooring position. The ultimate order in which the moorings are retrieved and deployed will be dictated by the current weather forecast and the likely shelter that can be provided by the east coast. Accurate position records will be kept detailing where the moorings are eventually replaced as this may differ from the planned position. If all the moorings have been retrieved and deployed before the scheduled end

of the survey, *Alba na Mara* will head to Aberdeen Bay to allow scientific staff to retrieve moorings with VR2 salmon detectors between Ythan Estuary and Findon Ness.

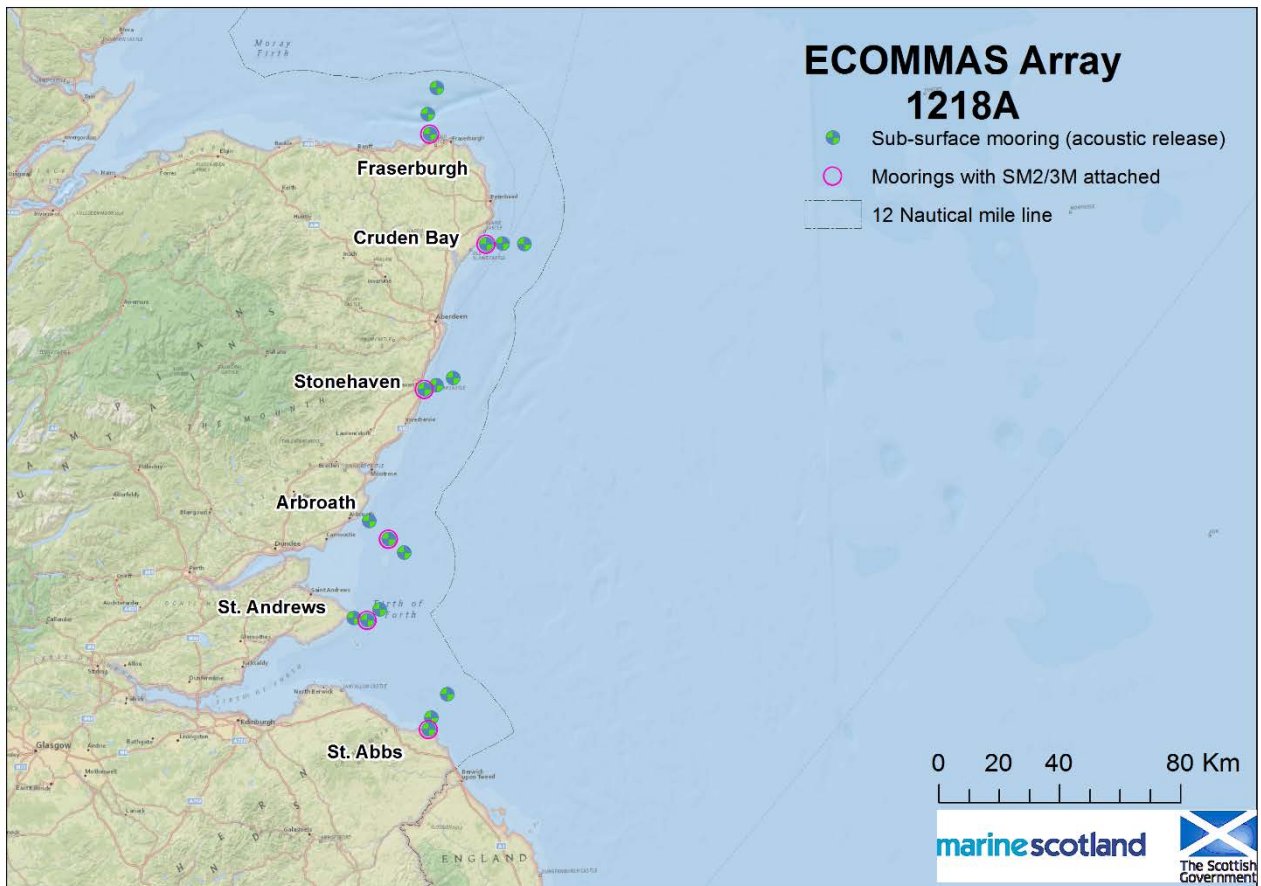
Normal contacts will be maintained with the Marine Laboratory

Submitted:  
P Stainer  
02 August 2018

Approved:  
I Gibb  
02 August 2018

**Table 1:** ID, name and geographic position of moorings to be retrieved and redeployed.

<b>Location ID</b>	<b>Location name</b>	<b>Lat (dec deg)</b>	<b>Long (dec deg)</b>
13	Fraserburgh 5	57.71134639	-2.130122221
14	Fraserburgh 10	57.77115213	-2.140425971
15	Fraserburgh 15	57.84919262	-2.089807226
16	Cruden Bay 5	57.38019025	-1.828363841
17	Cruden Bay 10	57.38020934	-1.738092926
18	Cruden Bay 15	57.37728186	-1.618086241
19	Stonehaven 5	56.9469442	-2.176712707
21	Stonehaven 10	56.95941541	-2.113387606
20	Stonehaven 15	56.98063991	-2.021741646
22	Arbroath 5	56.55404985	-2.483319612
23	Arbroath 10	56.49979842	-2.379894724
24	Arbroath 15	56.45966466	-2.298626297
25	St Andrews 5	56.26497763	-2.572059026
26	St Andrews 10	56.2578941	-2.499311904
27	St Andrews 15	56.29005936	-2.433061696
28	St Abbs 5	55.92919788	-2.177105101
29	St Abbs 10	55.96348597	-2.161847177
30	St Abbs 15	56.0333531	-2.075411206
31	JOMOPANS	58.57487	-2.119471



**Figure 1:** Positions of ECOMASS moorings to be deployed during survey 1218A.