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MRV Alba na Mara

Survey 1917A

PROGRAMME

6-13 November 2017

Ports

Loading: Greenock, 03 November 2017

Unloading: Fraserburgh, 13 November 2017

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

R Watret (SIC)
P Stainer
R Culloch
D Risch (SAMS)

Project: 20397, 8 days

Gear: Sub-surface passive acoustic monitoring (PAM) moorings.

Objectives:

- 1) To retrieve a previously deployed series of moorings comprising acoustic release systems (eight subsurface acoustic release moorings) and the acoustic recording devices attached to them (eight C-POD and three *Loggerhead* broadband units). Nine moorings were deployed originally; however, one of these (Soay) has already been recovered.
- 2) To deploy a series of moorings comprising acoustic release systems (six subsurface acoustic release moorings) and the acoustic recording devices attached to them. Each mooring will have a C-POD and a *Loggerhead* broadband unit attached

This west coast background noise and marine mammal monitoring deployment is part of the COMPASS project. Figure 1 and Tables 1 and 2 give the locations for recovery of the moorings deployed in August 2017 during survey 1817H as well as the locations for the further deployments to be completed during survey 1917A.

Procedure:

Loading of all equipment will be carried out on 3 November in Greenock harbour. Scientific crew will make their way to Greenock in pre-arranged transport and meet the vessel on 6 November.

Alba na Mara will sail from Greenock on the morning of 6 November and make for the first mooring position. The ultimate order in which the moorings are deployed will be dictated by the weather forecast and the likely shelter that can be sought along the west coast. Accurate position records will be kept detailing where the moorings are eventually placed as this may differ slightly from the planned position.

Once all the moorings have been retrieved and deployed *Alba na Mara* will return to Fraserburgh prior to 13 November to allow the scientific staff to disembark and return to Aberdeen.

Normal contacts will be maintained with the Marine Laboratory.

Submitted:

R Watret
12 October 2017

Approved:

I Gibb
13 October 2017

Table 1: Location name and position for the moorings to be retrieved during 1917A. The positions listed below were deployed in August during the C-Odyssey charter (1817H).

Site Name	Date deployed	Depth (m)	Decimalised minutes Lat	Decimalised minutes Long	Decimalised lat	Decimalised Long	Broadband recorder
Eilean Liubhaird	22/08/2017	61.89	57° 58.288 N	006° 22.608 W	57.97158	-6.37692	
Shiant Isles	22/08/2017	84.44	57° 52.550 N	006° 16.031 W	57.87614	-6.272137	
Tolsta	21/08/2017	94.78	57° 52.651 N	006° 06.091 W	58.39414	-6.01175	Y
Soay	22/08/2017	90.64	57° 05.974 N	006° 12.347 W	57.09629	-6.20587	
Shiant East Bank	24/08/2017	52.16	57° 59.329 N	006° 04.236 W	57.98882	-6.0706	
Kerrera	23/08/2017	25.12	56° 21.465 N	005° 38.359 W	56.35782	-5.63924	Y
Garvellachs	23/08/2017	28.27	56° 16.177 N	005° 52.708 W	56.25289	-5.87814	
Sound of Jura	23/08/2017	33.89	56° 04.184 N	006° 41.664 N	56.0699	-5.693167	
Hyskeir	22/08/2017	34.45	56° 54.411 N	006° 43.930 W	56.90691	-6.73214	Y
Arisaig							not deployed

Table 2: Location name, position and depth for the moorings to be deployed during the *Alba na Mara* cruise 1917A.

SiteName	Lat	Long	Lat decimalised	Long decimalised	Depth (m)
Garvellachs	56° 14.086' N	5° 45.406' W	56.235	-5.757	95
Hyskeir	57° 2.145' N	6° 45.286' W	57.036	-6.755	47
Shiant Isles	57° 52.547' N	6° 16.386' W	57.876	-6.273	85
Stanton banks	56° 5.814' N	8° 1.281' W	56.097	-8.021	106
Stoer Head	58° 15.451' N	5° 32.338' W	58.258	-5.539	97
Tolsta	58° 31.034' N	6° 1.808' W	58.517	-6.030	95

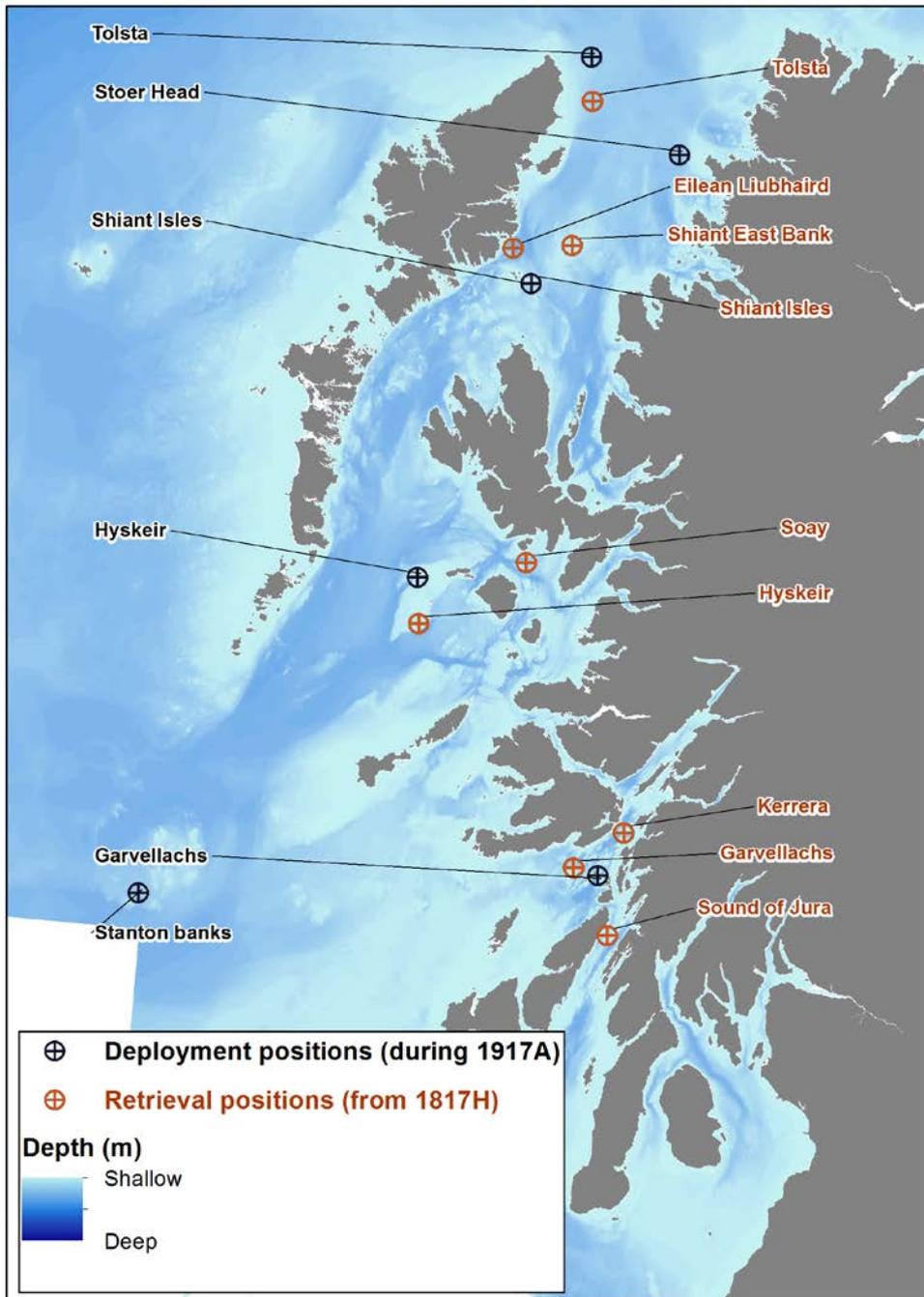


Figure 1: Positions of the moorings to be retrieved and those to be deployed during cruise 1917A.