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MRV Alba na Mara

Survey 1513A

PROGRAMME

24-30 October 2013

Ports

Loading : Fraserburgh, 21 October 2013

Unloading : Fraserburgh, 30 October 2013

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

E Armstrong	(SIC)
J Waggitt	(Visitor – Aberdeen University)
B Williamson	(Visitor – Aberdeen University)
S Thomas	(Visitor – Aberdeen University)
Tim Sykes	(Visitor – Aberdeen University)

Estimated days by project: 7 days – REO1q (20080)

SamplingGear

Simrad EK60 multi-frequency scientific sounder
Bird observer seat

Objectives

To determine what influences seabird's diving behaviours in the high-energy environments favoured for tidal stream turbine installations (see Figure 1 for overview of work areas).

Procedures

Loading of equipment will take place on 21 October. Personnel will join the vessel on the morning of 24 October and on completion of safety drills and vessel tours, *Alba na Mara* will sail and make passage to Deer Sound. On arrival the vessel will go to anchor in a suitable location and remain there while the EK60 is calibrated overnight (estimated to take in the region of 4-6 hours). On completion of this task and depending on the weather conditions, *Alba* will sail for the European Marine Energy Centre (EMEC) Nursery Site (see Figure 2) in Shapinsay Sound, or to the EMEC Test Site in the Fall of Warness area (see Figure 3), to conduct an acoustic and visual seabird survey (details of transect positions and survey methods will be provided and discussed with the skipper and SIC before work commences). On completion of work in this area (estimated three and a half to four days), *Alba* will leave the Orkney sites and return to Fraserburgh for off loading on the morning of 30 October.

EMEC Risk Assessments have been completed and permission to enter both test sites has been applied for. Contact with EMEC will be maintained as required for the length of the survey.

Normal contacts will be maintained with the Laboratory.

Submitted:
E Armstrong
1 October 2013

Approved
I Gibb
9 October 2013

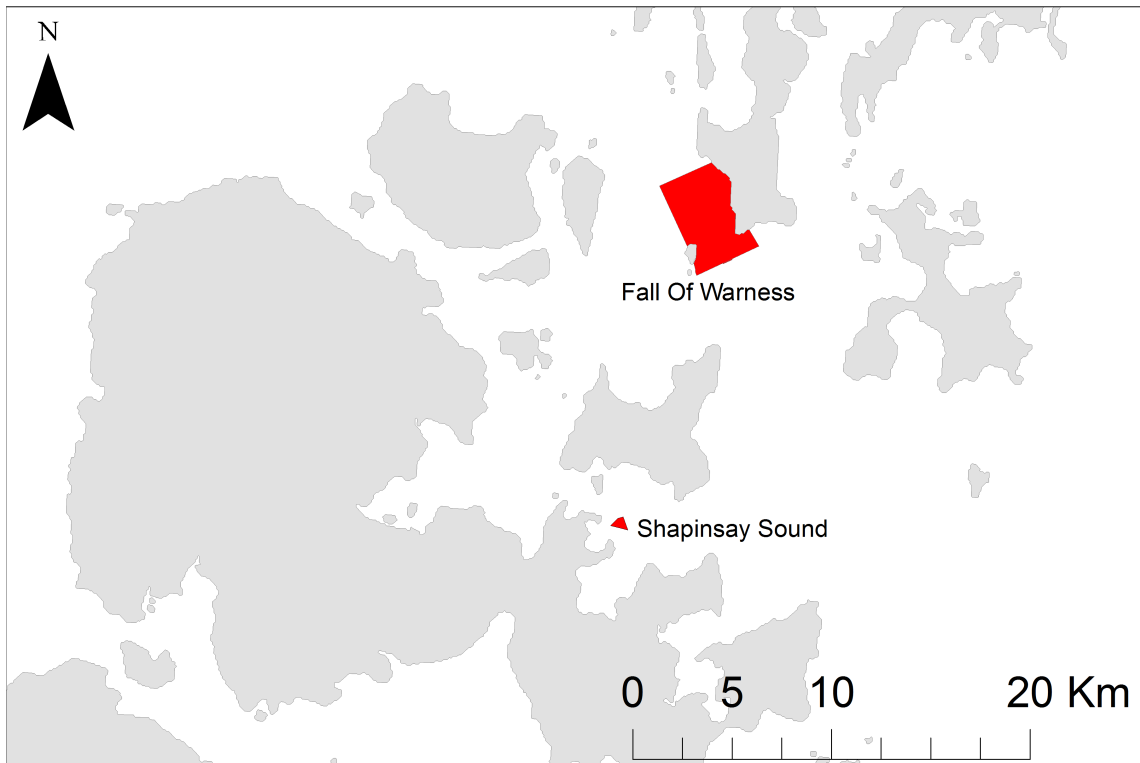


Figure 1

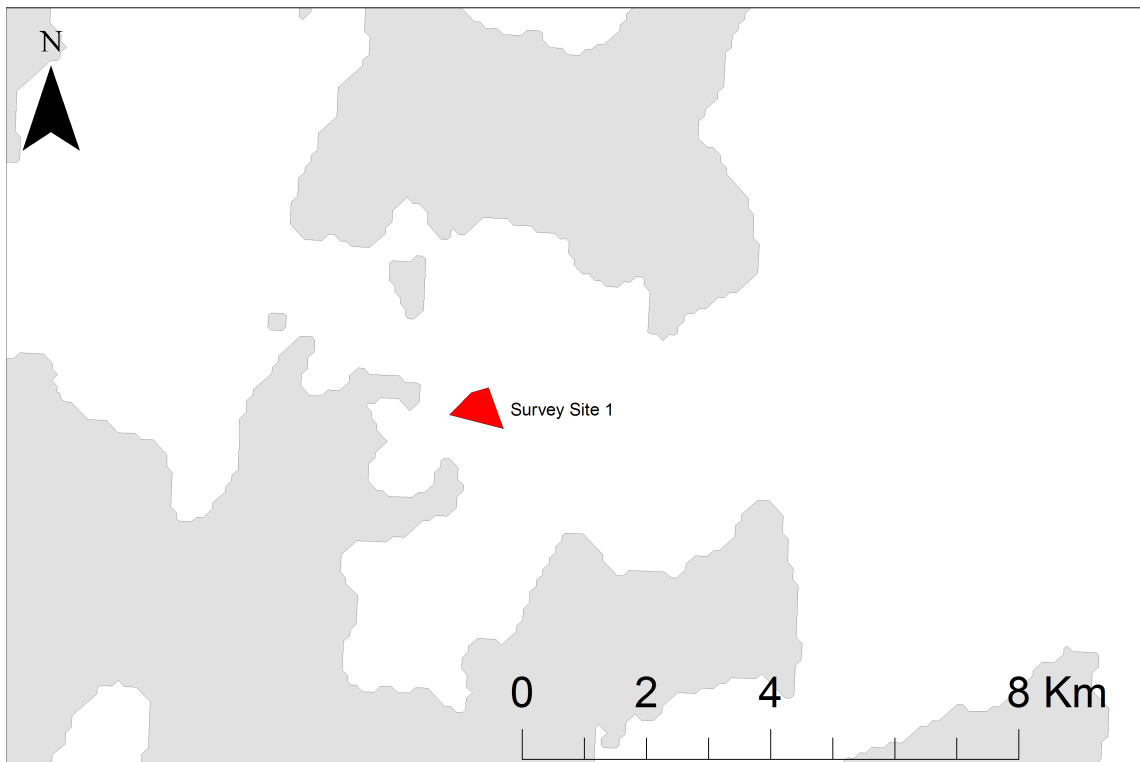


Figure 2

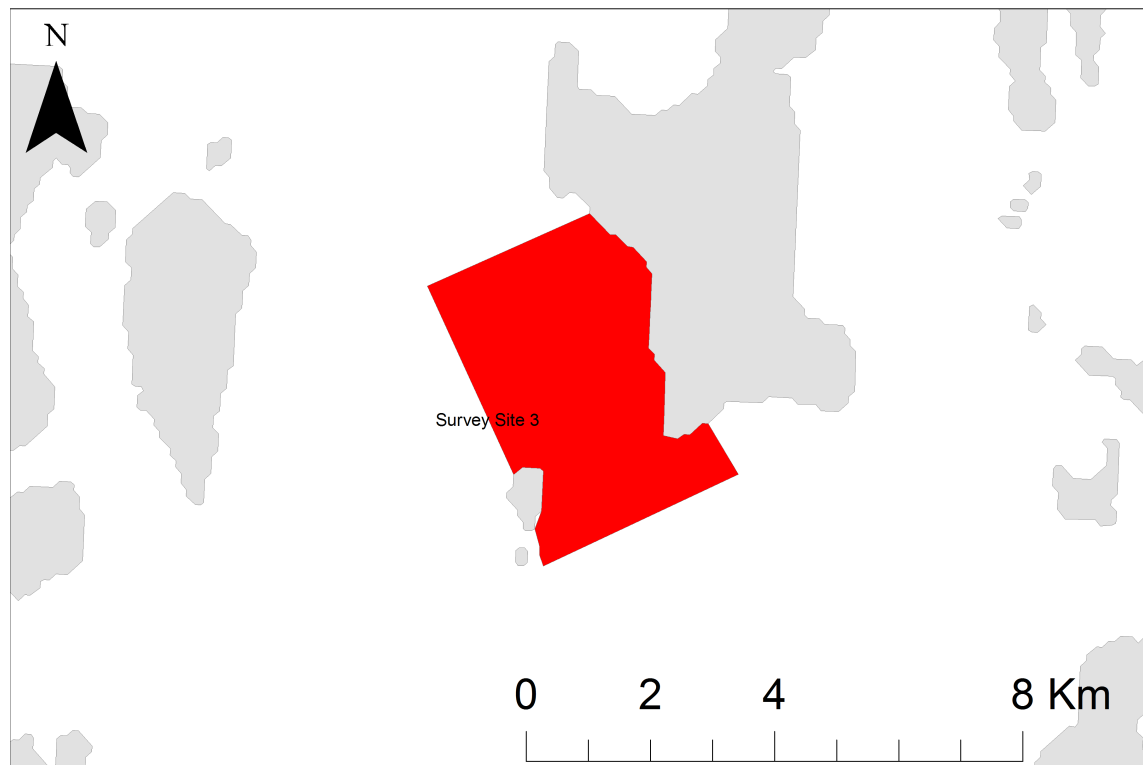


Figure 3