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MRV *Alba na Mara*

Survey 1822A

PROGRAMME

19-25 November 2022

Ports

Loading: Fraserburgh, 15 November 2022

Unloading: Leith, 25 November 2022

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.

Project: 20231, 20593, 20594 – 5, 1, 1 days

Gear: Subsurface passive acoustic moorings (incl. cetacean detectors and sound recorders)

Objectives:

1. To retrieve 39 moorings at ECOMMAS, Seagreen and NNG marine mammal/noise monitoring locations (All with C-PODs or F-PODs cetacean click detectors; 19 with C-PODs/FPODs and sound recorders).
2. To deploy 11 moorings at ECOMMAS, Seagreen and NNG marine mammal/noise monitoring locations (All with C-PODs or F-PODs cetacean click detectors and sound recorders).

Vessel capability, weather conditions and water depth will dictate whether inshore deployment locations are operationally possible.

A daily programme of work will be agreed with the vessel master.

A Notice to Mariners has been issued for all mooring locations. Any updates or location changes will be issued if required.

Normal contacts will be maintained with the laboratory.

Submitted:

P Stainer

13 November 2022

Approved:

I Gibb

14 November 2022

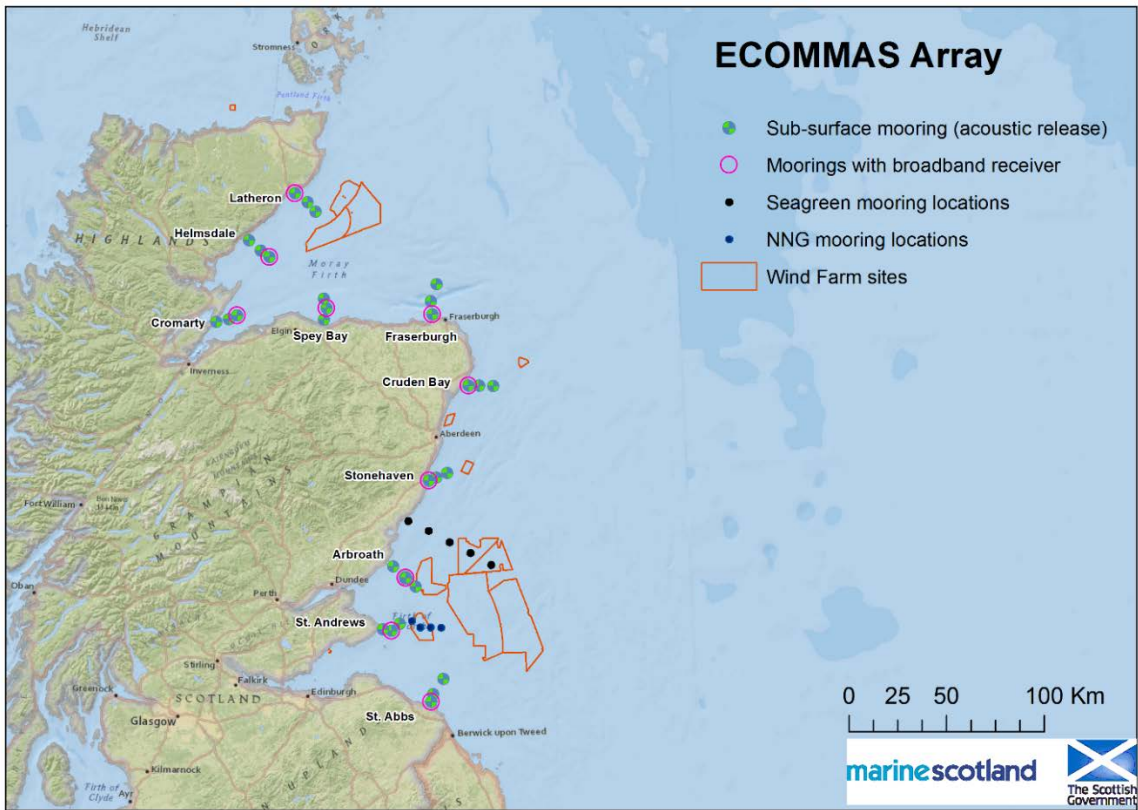


Figure 1: Locations of the ECOMMAS, Seagreen and NNG moorings are detailed in Tables 1 and 2

Table 1: ID, name and geographic position of all 30 ECOMMAS moorings and the Duncansby Head mooring to be retrieved during 1822a. Moorings at Arbroath 10 and Helmsdale 15 will be redeployed. All moorings are subsurface for acoustic release recovery.

| Location | Latitude | Longitude | Sound recorder? | Recovery method |
|----------------|-----------|-----------|-----------------|-----------------|
| Fraserburgh 15 | 57.849141 | -2.089825 | | AR |
| Fraserburgh 10 | 57.770775 | -2.141328 | | AR |
| Fraserburgh 5 | 57.711263 | -2.130103 | Y | AR |
| Spey Bay 15 | 57.786933 | -3.064216 | | AR |
| Spey Bay 10 | 57.74146 | -3.038821 | Y | AR |
| Spey Bay 5 | 57.69018 | -3.062381 | | AR |
| Cromarty 15 | 57.706651 | -3.81065 | Y | AR |
| Cromarty 10 | 57.68915 | -3.881785 | | AR |
| Cromarty 5 | 57.6749 | -3.98828 | | AR |
| Helmsdale 15 | 57.975698 | -3.535645 | Y | AR |
| Helmsdale 10 | 58.00505 | -3.610723 | | AR |
| Helmsdale 5 | 58.05338 | -3.715275 | | AR |
| Latheron 10 | 58.229323 | -3.205925 | | AR |
| Latheron 15 | 58.186686 | -3.135715 | | AR |
| Latheron 5 | 58.269341 | -3.318166 | Y | AR |
| Cruden Bay 5 | 57.380185 | -1.828393 | Y | AR |
| Cruden Bay 10 | 57.380146 | -1.738071 | | AR |
| Cruden Bay 15 | 57.376868 | -1.61793 | | AR |
| Stonehaven 15 | 56.98059 | -2.021736 | | AR |
| Stonehaven 10 | 56.959511 | -2.113503 | | AR |
| Stonehaven 5 | 56.947156 | -2.177253 | Y | AR |
| Arbroath 5 | 56.554018 | -2.483356 | | AR |
| Arbroath 10 | 56.499815 | -2.37981 | Y | AR |
| Arbroath 15 | 56.459636 | -2.29853 | | AR |
| St Andrews 15 | 56.29004 | -2.433171 | | AR |
| St Andrews 5 | 56.265265 | -2.571761 | | AR |
| St Andrews 10 | 56.258365 | -2.501598 | Y | AR |
| St Abbs 15 | 56.033338 | -2.075373 | | AR |
| St Abbs 10 | 55.963473 | -2.161845 | | AR |
| St Abbs 5 | 55.92919 | -2.177058 | Y | AR |

Table 2. ID, Name, Geographic position and depths of the wind farm monitoring moorings to be recovered and redeployed.

| Name of location | Sound Recorder | Latitude | Longitude | Depth |
|-------------------------|-----------------------|-----------------|------------------|--------------|
| Seagreen 1 | Y | 56.76225 | -2.354467 | 22 |
| Seagreen 2 | Y | 56.7158 | -2.182667 | 59 |
| Seagreen 3 | Y | 56.66112 | -2.009233 | 62 |
| Seagreen 4 | Y | 56.60992 | -1.836117 | 55 |
| Seagreen 5 | Y | 56.55457 | -1.66785 | 60 |
| NNG 1 | Y | 56.29797 | 2.3192 | 55 |
| NNG 2 | Y | 56.25197 | 2.253783 | 51 |
| NNG 3 | Y | 56.27247 | 2.166783 | 57 |
| NNG 4 | Y | 56.27258 | 2.090567 | 54 |