

# UNIVERSITY OF ABERDEEN

## NOTICE TO MARINERS

No. UoA/06/2018

### MORAY FIRTH, SCOTLAND

Date of notice: 12<sup>th</sup> June, 2018

Mariners are advised that, further to notices UoA/04/2018 & UoA/05/2018, and in conjunction with Beatrice Offshore Windfarm Limited (BOWL), the University of Aberdeen has **serviced** the moorings listed in table 1 and **reinstalled them in their current locations**, has **installed** the moorings listed in table 2, and has **removed** the mooring listed in table 3 (see also chart extracts at the foot of this notice):

Table 1. Completed mooring service works.

Name	Coordinates (WGS84 datum)		Characteristics
3	57° 44.073' N	003° 19.776' W	Surface marked (dhan, 12' aluminium & RADAR reflector)
4	57° 41.357' N	003° 05.547' W	Surface marked (NB50 buoy, red)
160	58° 17.648' N	002° 49.931' W	Subsurface with transponder.
162	58° 18.176' N	002° 54.124' W	Subsurface with transponder.

Table 2. Completed mooring installation works.

Name	Coordinates (WGS84 datum)		Characteristics
66	57° 43.082' N	003° 14.977' W	Surface marked (dhan, 12' aluminium & RADAR reflector)
67	57° 42.069' N	003° 10.026' W	Surface marked (dhan, 12' aluminium & RADAR reflector)

Table 3. Completed mooring removal works.

Name	Coordinates (WGS84 datum)		Characteristics
108	58° 18.993' N	002° 59.223' W	Subsurface.

Mariners are further advised that moorings at the following sites (table 4) remain deployed as per earlier notices.

Table 4. Existing mooring sites.

Name	Coordinates (WGS84 datum)		Characteristics
1	57° 41.421' N	003° 58.951' W	Surface marked (NB50 buoy, red)
2	57° 35.118' N	004° 05.875' W	Surface marked (NB50 buoy, red)
17	57° 57.763' N	003° 31.245' W	Subsurface with acoustic release.
42	57° 52.345' N	003° 29.043' W	Subsurface with acoustic release.
45	57° 57.266' N	003° 16.088' W	Subsurface with acoustic release.
89	57° 56.052' N	003° 38.235' W	Subsurface with acoustic release.
64	57° 42.528' N	003° 30.163' W	Surface marked (dhan, 12' aluminium & RADAR reflector)
65	57° 43.485' N	003° 25.188' W	Surface marked (dhan, 12' aluminium & RADAR reflector)
117	57° 41.155' N	003° 59.883' W	Subsurface.
125	57° 40.866' N	003° 59.667' W	Subsurface.
126	57° 40.925' N	004° 00.391' W	Subsurface.

136	57° 35.479' N	004° 04.264' W	Subsurface.
141	57° 41.430' N	004° 00.146' W	Subsurface.
161	58° 13.000' N	002° 56.011' W	Subsurface with transponder.
164	58° 12.817' N	002° 51.694' W	Subsurface with transponder.
204	57° 34.551' N	004° 04.905' W	Subsurface.
206	57° 34.081' N	004° 03.672' W	Subsurface.
207	57° 33.903' N	004° 05.034' W	Subsurface.
210	57° 30.657' N	004° 13.030' W	Subsurface.
211	57° 30.339' N	004° 12.102' W	Subsurface.
212	57° 30.125' N	004° 13.389' W	Subsurface.
213	57° 29.873' N	004° 14.884' W	Subsurface.
214	57° 29.816' N	004° 16.191' W	Subsurface.
215	57° 41.078' N	003° 59.172' W	Subsurface.

The moorings support sound recording equipment, and acoustic loggers that record echolocation clicks of dolphins and porpoises (see images of devices at the foot of this notice). Subsurface moorings fitted with acoustic releases extend no more than three metres vertically from the seabed. Subsurface moorings without acoustic releases extend no more than two metres vertically from the seabed.

A further Notice to Mariners will be issued in the event of additional operations on the above listed mooring locations.

For information and enquiries please contact:

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Acoustic logger  
(600 x 95mm)

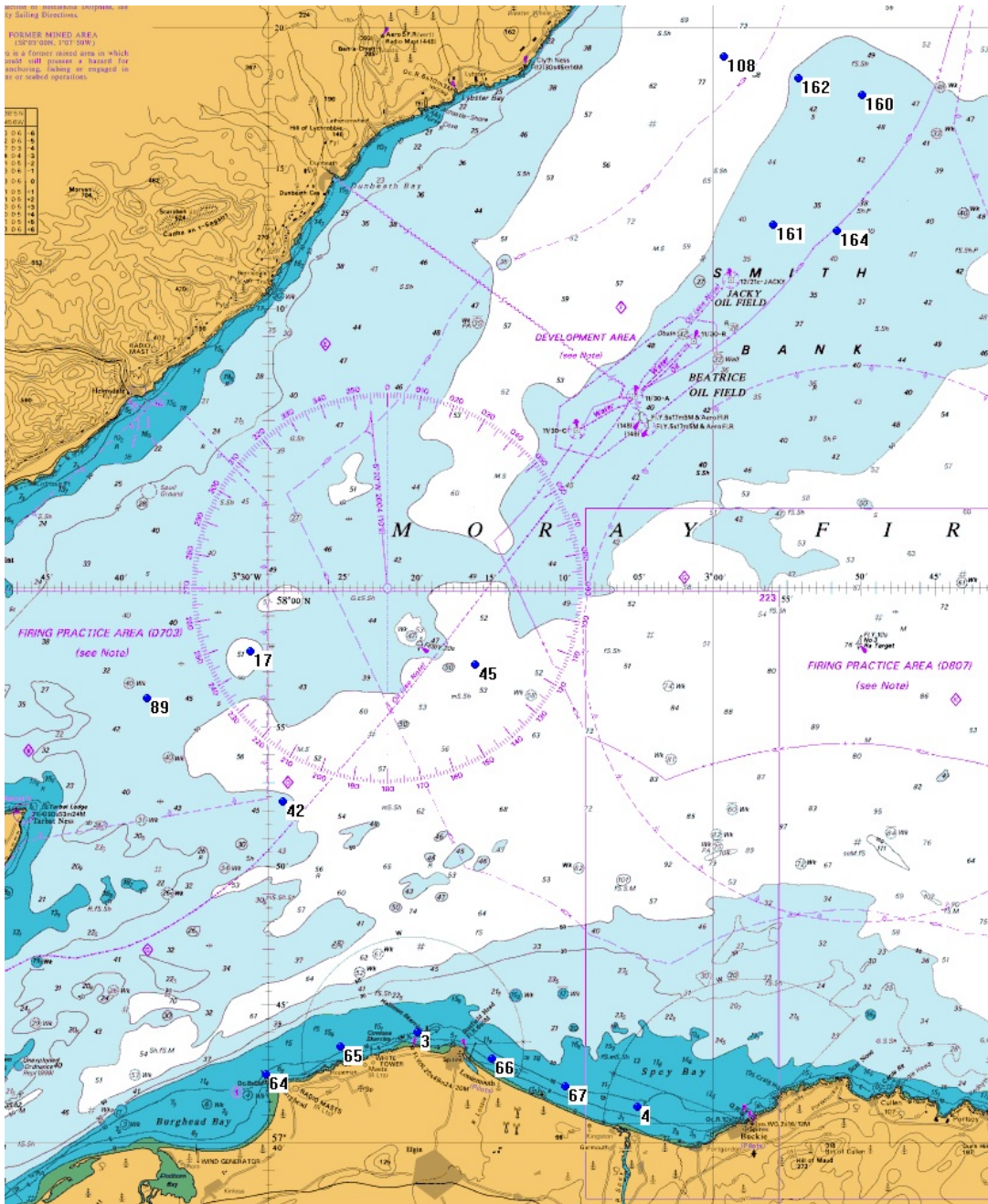


Sound recorder  
(900 x 170mm)



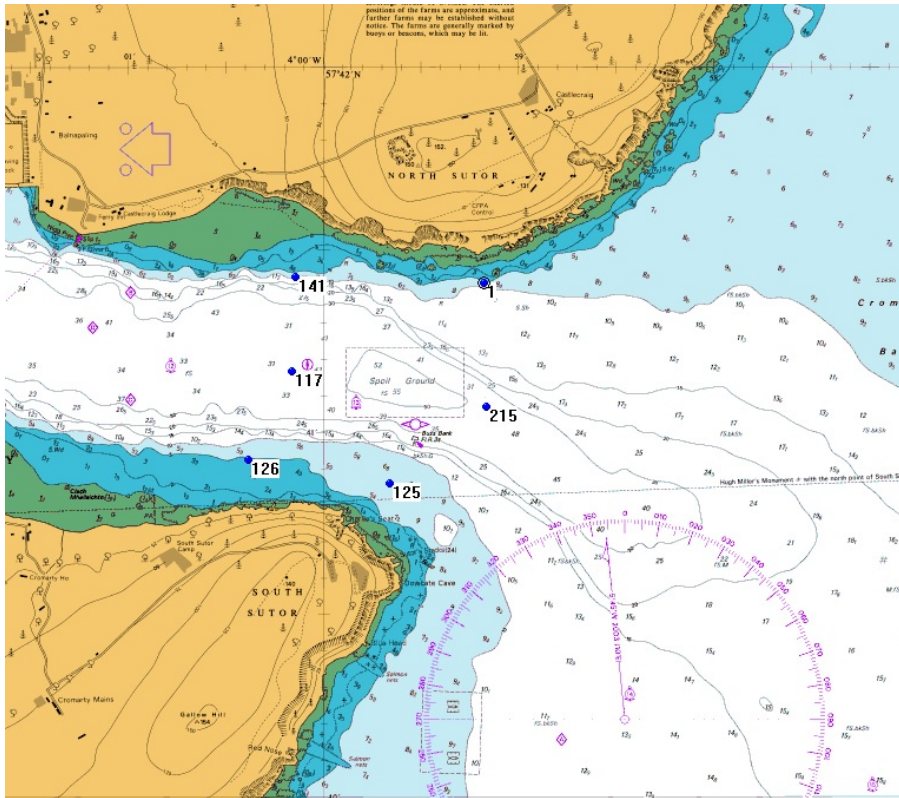
Sound recorder  
(200 x 60mm)

Examples of equipment which the above moorings support.

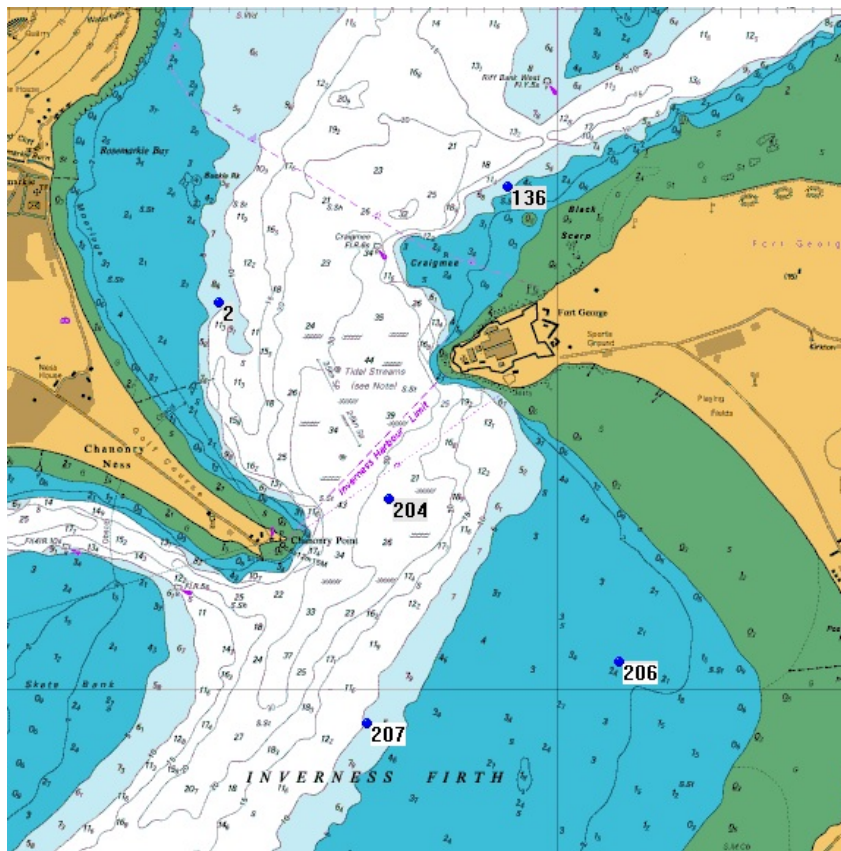


Mooring locations noted in this Notice to Mariners – Moray Firth.

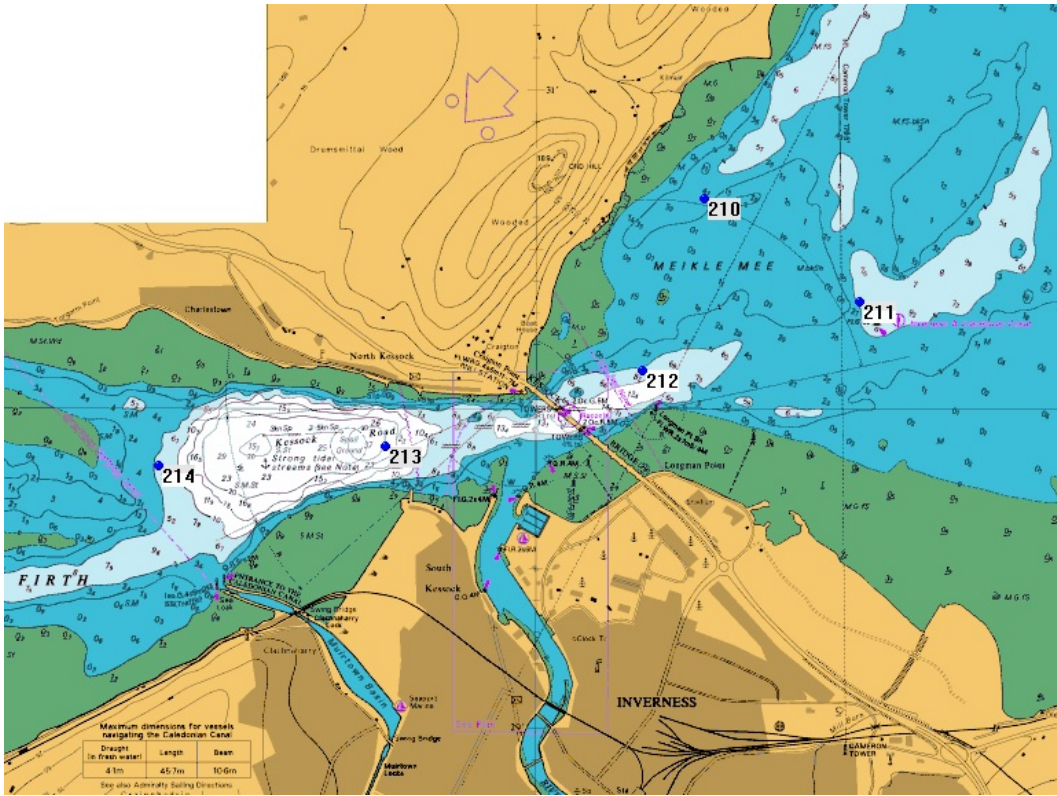




Mooring locations noted in this Notice to Mariners – Entrance to the Cromarty Firth.



Mooring locations noted in this Notice to Mariners – Inverness Firth / Chanonyr narrows.



Mooring locations noted in this Notice to Mariners – Inverness & Beaulieu Firth.