

SCIENTIFIC MOORING DEPLOYMENTS

WEST OF ORKNEY AND THURSO BAY

NOTICE TO MARINERS: 14TH OCTOBER 2020

Partrac Ltd. is scheduled to install marine sensors at 3 sites in Thurso bay and west of Orkney on Stormy banks, over the period 15th to 17th October 2020, weather permitting. Partrac will be using the vessel 'Green Quest' (Figure 1) for deployment operations.

Sub-surface moorings will be deployed at Survey points 3, 4 and 5, each marked with a simple surface buoy positioned ~100m from the deployment location. A surface moored wave buoy will also be deployed at Survey point 5. The wave buoy is fitted with a 2m whip antenna, with a light sequence of Y.FI.5(20s)

Mariners are requested to maintain an exclusion zone of 250m from each instrument mooring

Table 1: Positions for the five marine sensor deployments in OSGB36 and WGS84 Degrees Decimal Minutes

Preliminary Survey Point	Location	Instrument	Easting (UTM 30N)	Northing (UTM 30N)	Latitude DMS	Longitude DMS	Bathymetry (mLAT)	Slope (°)
Survey Point 1 Proposed	North of Dounreay	Nortek 600kHz AWAC Seabed frame	457783	6497083	58° 36' 43.367" N	3° 43' 36.012" W	-23.5	1.1
		Yellow marker buoy 100m East of deployment location	457883	6497083	58° 36' 43.402" N	3° 43' 29.816" W	-19.6	1.7
Survey Point 2 Proposed	Brim Ness	Nortek 600kHz AWAC Seabed frame	462799	6498462	58° 37' 29.602" N	3° 38' 26.030" W	-26.8	3.0
		Yellow marker buoy 100m West of deployment location	462699	6498462	58° 37' 29.571" N	3° 38.5371' W	-24.0	2.9
Survey Point 3 Confirmed	Eastern Thurso Bay	Nortek 600kHz AWAC Seabed frame	472712	6497779	58° 37' 10.171" N	3° 28' 11.271" W	-28.6	1.9
		Yellow marker buoy 120m West of deployment location	472592	6497779	58° 37.1691' N	3° 28' 18.708" W	-28.35	2.58
Survey Point 4 Confirmed	Northern Stormy Bank	Nortek 250kHz Signature Sub Surface Stumpy	443333	6538846	58° 59' 07.499" N	3° 59' 09.373" W	-55.5	0.2
		Orange marker 100m North West of deployment location	443262	6538917	58° 59' 9.760" N	3° 59' 13.885" W	-56.1	0.4
Survey Point 5 Confirmed	Southern Stormy Bank	DWR MKIII surface buoy & RDI 300kHz Sub Surface Stumpy	438104	6520885	58° 49' 24.300" N	4° 04' 18.811" W	-58.7	0.3
		Orange marker 100m North West of deployment location	438033	6520956	58° 49' 26.558" N	4° 4' 23.307" W	-58.7	0.2

For further information please contact:

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Figure 1 Vessel to be used – Green Quest

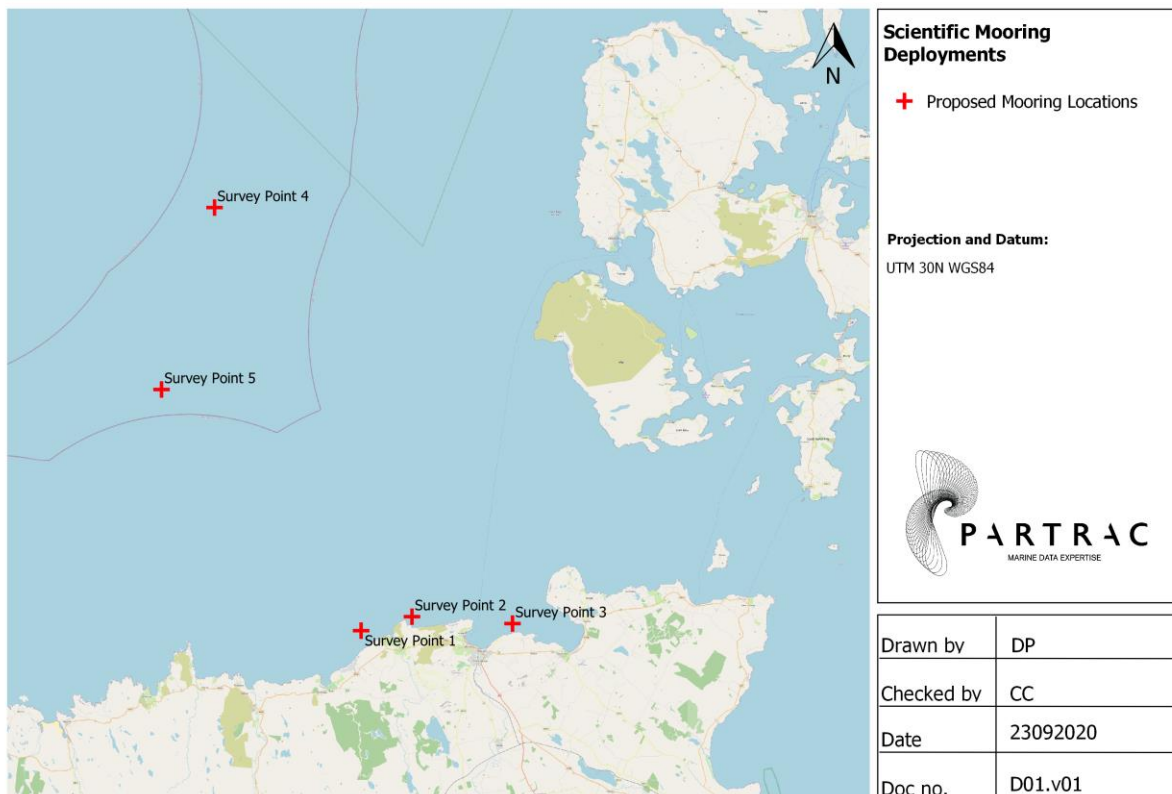


Figure 2 Five marine sensor deployment locations. Scientific moorings are located at survey points 3, 4 and 5.