

NOTICE TO MARINERS: UNMANNED SURFACE VESSEL (USV)

Activity: Operations of a remotely piloted Uncrewed Surface Vessel (USV) are planned out of Hartlepool, Bridlington, Whitby and Grimsby docks. There will be up to 4 USV's operational at any one time. Vessel details are listed in table 2 below.

Dates: Operations will take place, subject to weather during April, May, June, July and August

A support vessel will escort the USV from the active ports to the port limits.

Although the vessel is uncrewed, it is managed throughout the 24hour operation, piloted remotely using 360 degree cameras and other navigational aids.

Figure 1 below indicates the operational area. Points 1 and 2 indicated below are Hartlepool and Grimsby ports, respectively. The operational boundary is indicated in Table 1 below also.

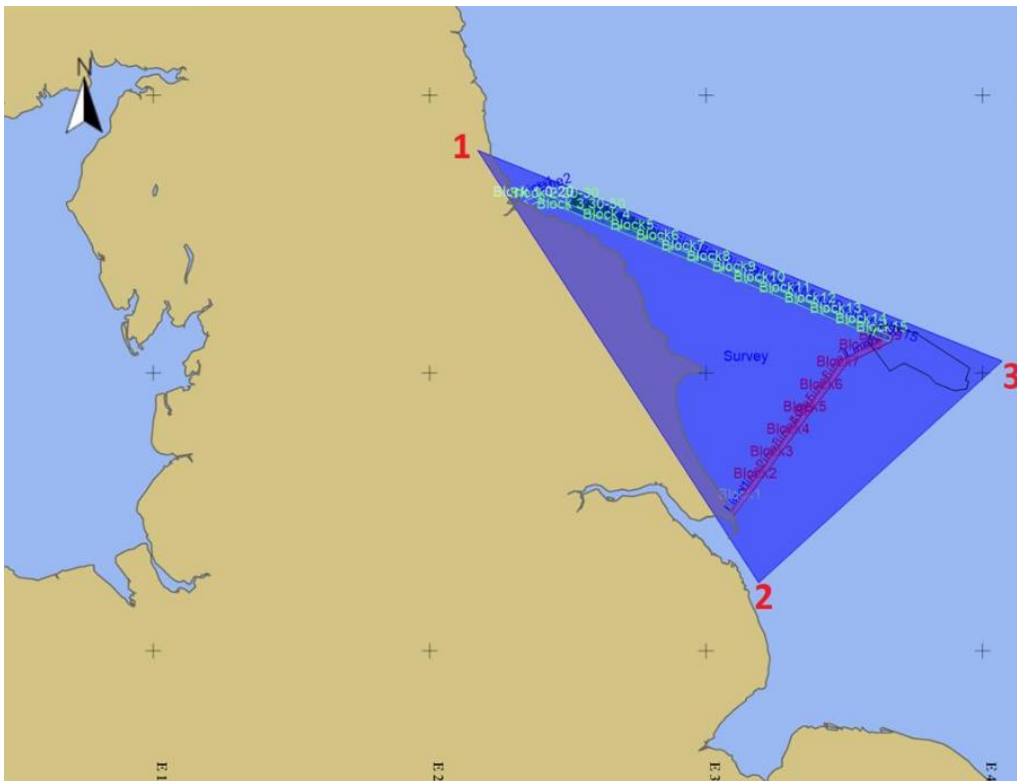


Figure 1: operational area

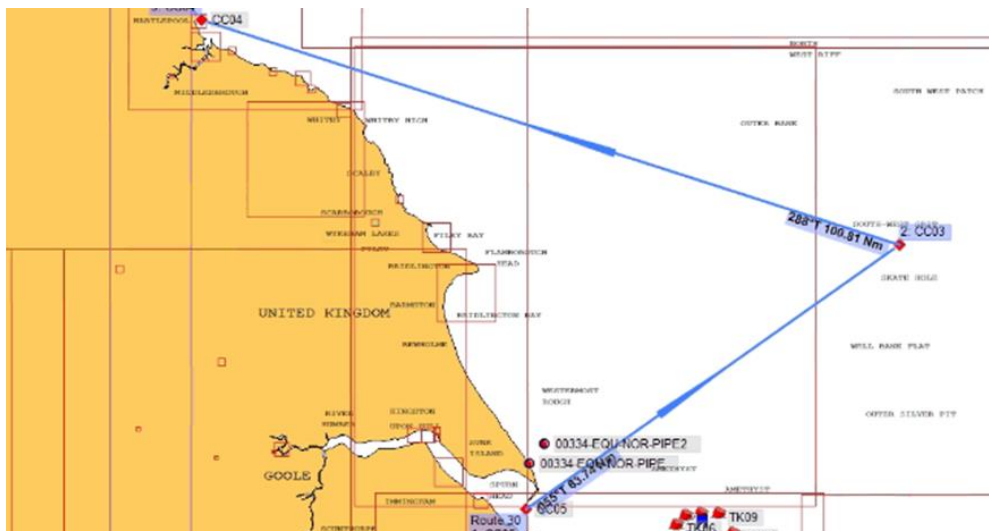


Figure 2: Operational area

Point:	Latitude	Longitude
1	54° 41'.506N	001° 10'.424W
2	54° 10'.619N	001° 34'.569E
3	53° 33'.687N	000° 06'.455E

Table 1: operational boundary

Name:	X-04 UNCREWED	X-05 UNCREWED	X-06 UNCREWED	X-03 UNCREWED	X-11 UNCREWED
MMSI:	232023832	32024575	232025477	232019976	232033343
Length:	4.5m	4.5m	4.5m	4.5m	4.5m
Beam:	2.2m	2.2m	2.2m	2.2m	2.2m
Speed:	3.5kts	3.5kts	3.5kts	3.5kts	3.5kts
Draught:	1.5m	1.5m	1.5m	1.5m	1.5m
Tonnage:	750kg	750kg	750kg	750kg	750kg

Table 2: USV details

The USV sends real time images and situational awareness data over satellite to a team of operators keeping watch and controlling the vessel remotely 24/7.

Safety Precautions: The USV is equipped with the following to make it conspicuous to other marine traffic:

- AIS
- Navigation Lights & Sound Signal
- Active Radar Reflector
- Superstructure Painted Yellow

Seafarers are asked to avoid contact with the vessel and be aware of the operational area during this period.

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