

NOTICE TO MARINERS
Lowestoft Harbour and Approaches – Continuation of
Transits of Unmanned Surface Vessels (USVs)

UTC BST

Activity – Operation of remotely piloted Unmanned Surface Vessels (USV) X-03 and X-09 (or substitute vessel of same type) – transiting to and from a survey area off the Norfolk Coast from Lowestoft. Vessel Details as follows:-

- | | |
|-----------------------|-----------------------|
| • Name: X-03 UNCREWED | • Name: X-09 UNCREWED |
| • MMSI: 232019976 | • MMSI: 232027632 |
| • Length: 4.5 m | • Length: 4.5 m |
| • Beam: 2.2 m | • Beam: 2.2 m |
| • Speed: 3.5 kts | • Speed: 3.5 kts |
| • Draught: 1.0 m | • Draught: 1.0 m |

Dates – From Tuesday 22nd November until approx. the end of December, timing subject to suitable weather conditions for survey requirements. Transits of each USV will vary subject to operational requirements. They will mobilise from the Royal Norfolk & Suffolk Yacht Club. The chart extract below shows the proposed transit route. A support vessel will escort the USVs for transits in the Harbour and in the Approaches to the Port, monitoring VHF Ch14.



USV Transit Route



XOcean USV

Although the vessels are unmanned, they are managed throughout each 24hour operation, piloted remotely using 360° cameras and are equipped with other navigational aids/markings, including AIS, Navigation Lights & sound signal, Active radar reflector, Superstructure painted yellow.

Vessels are requested to give the USVs a wide berth where safe and practical to do so.

Please contact Lowestoft Port Control – VHF Ch14, Tel. 01502 572286 (Option 3), if further information is required.

Divisional Harbour Master East Anglia

21 November 2022

Notice to Mariners Currently in Force:

2006 No.5 **2007** No.13 **2009** No.19 **2011** No.7, No.10 **2012** No.3, **2013** No.17, No.19, **2015** No.24 **2016** No.12 **2017** No.5, No.22, No.24, No.32 **2019** No.2, No.18 **2020** No.17, No.24, No.26, No.29, No.40, No.43, No.44, No.47, No.50, **2021** No.01, No.40, No.51, No.54, No.57, No.58, **2022** No.1, No.2, No.25. No.26, No.35, No.43, No.45c No.51

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