

RESEARCH VESSEL PROGRAMME

RV CEFAS ENDEAVOUR

Survey: C END 07 - 2017

STAFF:

Name	Role	Cabin	Shift
Elisa Capuzzo	SIC	B1	
Dave Pearce		C2	
Neil Needham		C3	
Tom Hull		C4	
Eric Fitton		C1	
Jake Davies		B2	
Sophie Hare		C8	
Andrew Bodle		C6	
Tobias Boehme		C7	
Pip Simpson		C5	

DURATION: 14th to 16th May 2017

MOBILISE: Lowestoft Cefas Quay

DEMOBILISE: Lowestoft Cefas Quay

OPERATION AREAS: Southern North Sea

AIMS:

1. Service SmartBuoys at Dowsing, Warp and West Gabbard (SLA25G)
2. Vattenfall deployment (C7311B)
3. FerryBox service and maintenance

CRUISE PLAN - All times in BST

The RV Cefas Endeavour will sail at 00:15 on 14 May 2017, and proceed directly to the Dowsing SmartBuoy, which will be serviced in the morning (likely after breakfast). Once operations are completed at Dowsing, the Cefas Endeavour will continue to the Vattenfall site for recording multibeam data prior to the deployment of a Waverider, then will travel overnight to the Warp SmartBuoy.

On the morning of the 15 May, the Warp SmartBuoy will be serviced, followed by transfer to the West Gabbard2 SmartBuoy, which will be serviced (likely in the late afternoon). A MiniLander fitted with ADCP and acoustic modems and a second SmartBuoy with acoustic modem receiver/ESMx telemetry will also be deployed. The Cefas Endeavour will remain stationary in the proximity of the West Gabbard2 SmartBuoy during the night for hourly collection of surface samples (including the testing of a new ESMx based profiler), until returning to Lowestoft for the 13:30 tide on the 16 May.

Zooplankton net sample will be collected at the WestGabbard2 SmartBuoy and the CTD rosette will be deployed at each SmartBuoy site.

FerryBox maintenance and update will be carried out during the survey.

If the weather is poor the route may be revised.

Elisa Capuzzo
Scientist in Charge
9th May 2017