

DEFRA
CEFAS LABORATORY, LOWESTOFT, SUFFOLK, ENGLAND, UK.
2013 RESEARCH VESSEL REPORT
RV *CEFAS ENDEAVOUR* : **CRUISE 16/13**

STAFF:

Name	Role	Cabin	Shift
Dave Sivyer	SIC	SIC	Not specified
Neil Needham		C3	
Briony Silburn		C2	
Paul Nelson		C1	
James Cook		D3	
Bill Meadows		B1	
Tom Hull		C6	
Chris Read		C5	

DURATION: 5 to 8 September 2013

MOBILISE: Lowestoft Cefas quay

DEMOBILISE: **LOWESTOFT CEFAS QUAY**

OPERATION AREAS: Southern North Sea

AIMS:

1. Service SmartBuoys at Warp and West Gabbard (SLA28H – 1 day)
2. Service EAOW landers, and guard buoys at several sites (C5726A 1 day)
3. Complete ADCP survey at AWAC3.1 and 4.1 (C5726C – 1 day)

CRUISE PLAN - All times in GMT

Endeavour sailed at 20:30 Thursday 5th Sept and transit overnight to the Warp SmartBuoy. A water sample was collected via CTD rosette before the SmartBuoy was recovered and a replacement deployed. Another water sample was collected afterwards. After a 6 hour steam to the West Gabbard SmartBuoy the procedure was repeated without incident. Endeavour moved to AWAC 3.1. where a 13hr ADCP survey was undertaken overnight. Water samples were collected before the minilander was recovered. As the ship manoeuvred to redeploy the northern guard was run over and badly damaged. It took over 5 hours and several attempts to recover the guard buoy during which two grapples were also lost. The guard was replaced with a spare and the lander eventually re-deployed before water and sediment samples collected. Endeavour moved to AWAC 4.1 to start the ADCP survey at 23:30. The ADCP survey was completed at 13:20 on 8th September. Water samples were collected before the minilander was recovered. A new minilander was deployed at 14:20. Water samples were taken over three separate CTD casts before sediment samples were collected. A multibeam survey was undertaken at AWAC 4.1 before returning to Lowestoft for the midnight tide but arrived too late for the pilot to accept us so we had to wait until morning.

Endeavour docked at 11:30 on 09/09/13.

Dave Sivyer 09/09/13