

RESEARCH VESSEL PROGRAMME

**RV CEFAS ENDEAVOUR
Survey: C END 06 - 2019**

STAFF:

Name	Role	Cabin	Shift
Dave Pearce	SIC	C2	Day
Marc Whybrow	2IC	B2	Day
Eric Fitton	Mooring Lead	B1	Day
Oliver Twigge	Mooring	C1	Day
Paul Nelson	Chem Lead	C3	Day
Andy Bodle	Multibeam Lead/Chem	C6	Day
Bryan Goodsir-Thompson	Mooring	C4	Day
Lois Elvin	Observer	C7	Day
Francesco Pallottino	Student	C5	Day

DURATION: 13th May to 17th 2019
MOBILISE: LOWESTOFT
DEMOBILISE: LOWESTOFT
OPERATION AREAS: North Sea

AIMS:

1. Recover MiniLander and Waverider, carry out multibeam survey and collect water samples at Vattenfall Vanguard (C7311B – 0.5 day).
2. Recover MiniLander, Waverider and guard buoys, carry out multibeam survey and collect water samples at Vattenfall Boreas (C7645B – 0.5 day).
3. Service SmartBuoys at Dowsing, Warp and West Gabbard2 (SLA25G – 2 days).
4. Service Waveriders at Dowsing and West Gabbard2 (C6029A – 1 day).
5. Service Noise Landers at Dowsing and Warp (SLA20A – 0.5 day).
6. Collection of a zooplankton sample at West Gabbard.
7. Underway nutrient sampling using FerryBox water sampler.
8. Underway CTD and surface UEA water samples.

PLAN:

RV Cefas Endeavour will sail at about 03:36 on Monday 13th May 2019 and steam northward to Vattenfall Norfolk Vanguard, where the MiniLander (52°58'.510N - 002°31'.111E) and Waverider (52°58'.520N - 002°30'.929E) will be recovered. Water sampling will be carried at this site before recovering the MiniLander. On the same day, the Endeavour will progress towards the Vattenfall Norfolk Boreas, where the MiniLander (53°10'.644N - 002°58'.714E), Waverider (53°10'.644N - 002°59'.369E) and two Guard Buoy's (53°10'.752N - 002°58'.828E) – (53°10'.753N - 002°59'.370E) will be recovered, in addition to carry out water sampling. After recovery of the equipment at both sites, a multibeam survey will be carried out over the area.

The SmartBuoy (53°31'.669N - 001°03'.477E), Waverider (53°31'.891N - 001°03'.252E) and the Noise lander (53°31'.700N - 001°03'.206E) at Dowsing will be serviced the following day (Tuesday 14th May), in the morning.

The Endeavour will carry on steaming south, to service the SmartBuoy (51°32'.000N - 001°02'.901E) and noise lander (51°31'.937N - 001°02'.808E) at the Warp. (Wednesday 15th May).

The West Gabbard2 SmartBuoy (51°57'.266N - 002°06'.666E) and the Waverider (51°57'.169N - 002°06'.535E) will be serviced on the following day. A vertical net sample for zooplankton analysis will also be collected (Thursday 16th May 2019).

The Endeavour will return to port in Lowestoft on the morning tide 07:18, Friday 17th May.

Exact order of operations to be determined in consultation with the Master. If the weather is poor the route may be revised.

GEAR:

See Gear List

Marc Whybrow
Second in Charge
25/04/2019

DISTRIBUTION:

BODC
MIST
POMS
Staff