

DEFRA
 CEFAS LABORATORY, LOWESTOFT, SUFFOLK, ENGLAND, UK.

2010 RESEARCH VESSEL PROGRAMME
 RV *CEFAS ENDEAVOUR* : **CRUISE 01/10**

STAFF:

Name	Role	Cabin	Shift
Dave Sivyer	SIC	SIC	Not specified
Dave Pearce	Moorings	C2	Not specified
Naomi Greenwood	Watch leader	B1	08:00 to 12:00 and 20:00 to 24:00
Gary Batchelor		D3	08:00 to 12:00 and 20:00 to 24:00
Emily Sear (UEA)		D4	08:00 to 12:00 and 20:00 to 24:00
Elke Neubacher	Watch leader	C3	00:00 to 04:00 and 12:00 to 16:00
Steve Millward		C4	00:00 to 04:00 and 12:00 to 16:00
Elisa Capuzzo		C1	00:00 to 04:00 and 12:00 to 16:00
Tom Hull	Watch leader	C5	04:00 to 08:00 and 16:00 to 20:00
Manuel Nicolaus		C6	04:00 to 08:00 and 16:00 to 20:00
Louise Webster		C7	04:00 to 08:00 and 16:00 to 20:00

DURATION: 08 January to 13 January 2010

MOBILISE: Lowestoft (7th and 8th January)

DEMOBILISE: Lowestoft (14th January)

OPERATION AREAS: North Sea

FOREIGN WATERS: None

SEA FISHERIES AREAS: None

MILITARY AREAS: None

PORTCALLS: None

SMALL BOAT Return Siemens engineer to shore 2

TRANSFERS: hours after sailing

SHIFTS: 12-4, 4-8, 8-12

AIMS:

1. Deploy and recover a SmartBuoy at Warp, West Gabbard and Dowsing (SLA25 + ?).
2. Deploy and recover a Waverider at West Gabbard, Tyne and Isle of May (C3212).
3. Deploy a waverider and guard buoy on the Dogger Bank (C3628).
4. Collect surface and bottom "nutrient" samples and profiles at CSEMP locations (SLA25).
5. Collect surface "nutrient samples every two hours (SLA25/DP240).

CRUISE PLAN

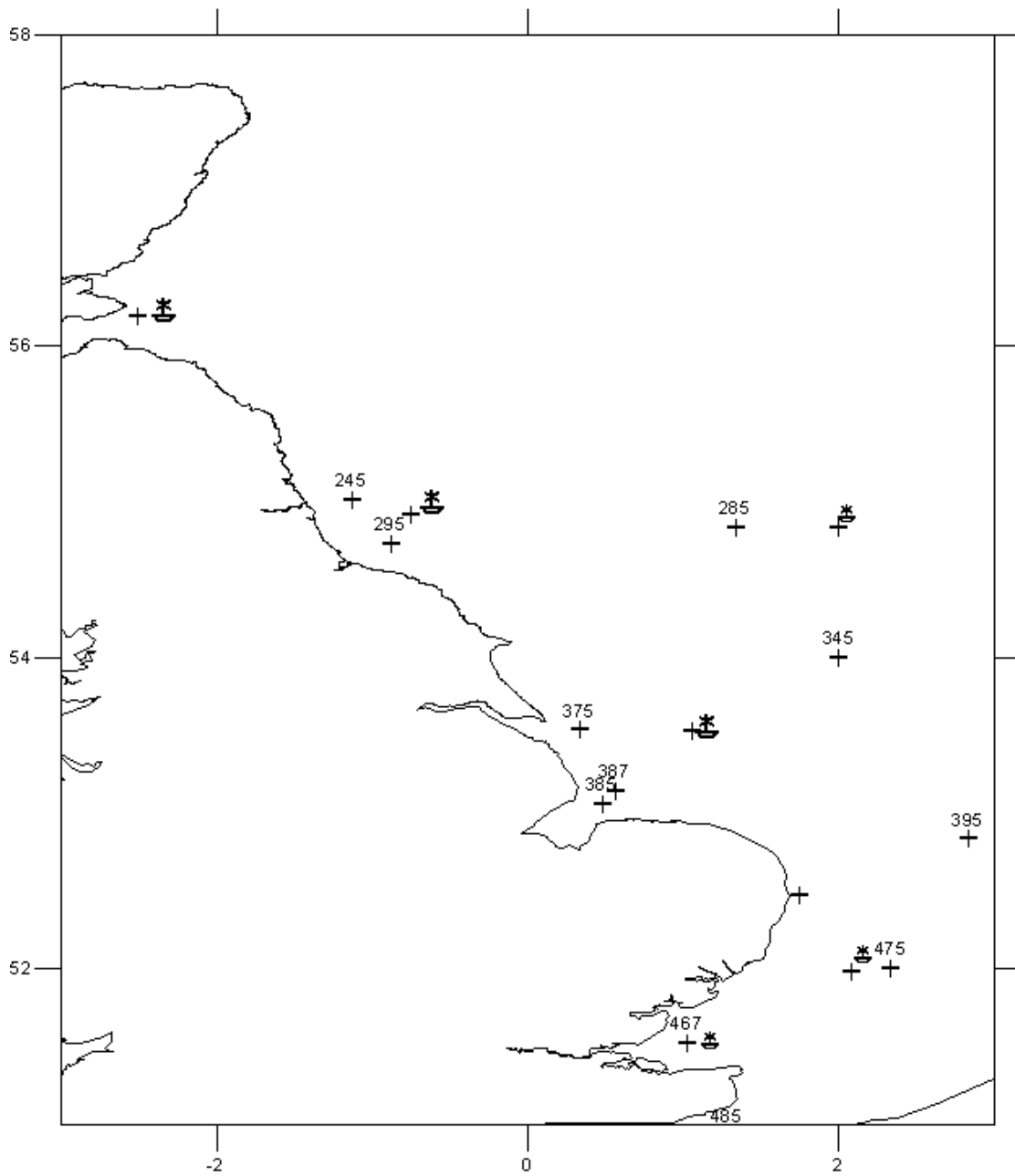


Figure 1. Sites for CEND01/10

Daily routine

Most scientific staff will operate a three-shift system, four hours on and eight hours off. The SIC will be about between 07:00 and midnight and Dave Pearce will make himself generally useful with moorings and coring. An extra deck crew member has been requested to allow 24hr working of the CTD Rosette. Where possible mooring and coring work is expected to take place during the day (roughly 07:00 to 20:00).

Two hourly nutrient samples unless otherwise specified (steam through).
Four hourly ESM2 Profiler (on hydro wire).

Narrative

After departing Lowestoft 14:00 *CEFAS Endeavour* will undertake engine trials for approximately two hours before an engineer will be transferred ashore. Hourly sampling for nutrients and salinity will commence as the ship will then transit to the West Gabbard to service the SmartBuoy and waverider. Hourly sampling will continue as the vessel heads to the Thames to service the Warp SmartBuoy and then back to the West Gabbard for calibration samples. The track will then be '475', 395, 345 with CTD rosette dips at each. Then the Dogger waverider, '245' and then to Firth of Forth. After servicing the Firth of Forth waverider *Cefas Endeavour* will follow the coastline back to Tyne/Tees waverider then '245', '295', 375, 385 (CTD Rosette) and finally the Dowsing SmartBuoy and waverider – hourly nutrient sampling will recommence at Flamborough.

The vessel will dock at Lowestoft Wednesday 13th January at approximately 21:00.

Dave Sivyer
02/12/09