

THE CENTRE FOR ENVIRONMENT, FISHERIES AND AQUACULTURE SCIENCE,  
LOWESTOFT LABORATORY, LOWESTOFT, SUFFOLK, NR33 0HT

## 2003 RESEARCH VESSEL PROGRAMME

PROGRAMME: RV CEFAS ENDEAVOUR CRUISE 3/03

### STAFF:

D R Eaton (SIC)  
S P Milligan  
M T Smith  
A R Lawler  
Mike Shaw  
J Ulleweit (Hamburg - part trip)  
T Locke, SIGS

### DURATION:

4 - 20 May 2003

### LOCATION:

Southern North Sea, English Channel and Western Approaches (VIIId, e, f, h)

### AIMS:

1. To conduct a plankton survey using a 53 cm high speed tow net fitted with the Guildline CTD monitoring system, to determine the distribution and abundance of crab (*Cancer pagurus*) larvae in relation to fishing ground and sea bed sediments over the sea area bounded by latitudes 48°00' N and 51°30' N and longitudes 7°00' W and 3°00' E, with particular emphasis on the eastern English Channel.
2. To continuously monitor the seabed topography using a combination of swathe bathymetry and QTC ground discrimination.
3. To continuously monitor temperature and salinity of sub-surface sea water.
4. To deploy 5 satellite tracked Argos drifting buoys

### PLAN:

ENDEAVOUR will sail from Lowestoft on Sunday 4 May and proceed to the start of the survey grid in the Western Approaches, deploying the Argos buoys on passage. An extensive plankton survey will be carried out working generally from west to east, during the course of which the recovery of the two most easterly deployed Argos buoys will be attempted. ENDEAVOUR will return to Lowestoft on Tuesday 20 May.

D. Eaton 4 April 2003

DISTRIBUTION: Basic List +

D. Eaton

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