

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

**2006 RESEARCH VESSEL PROGRAMME**

**PROGRAMME: RV CEFAS ENDEAVOUR: 08/06**

**STAFF:**

Part A

S. Kupschus (SIC)

M Parker-Humphreys (2IC)

S. Walmsley

M. Easey

R. Foster

G. Course

J. Korrubel

A. Little

R Humphreys

Dave Murphy (Interfish Ltd)

Matt Robson (Environment Agency)

**DURATION:** Part A: 22 March – 4 April

**LOCATION:** Western Channel (ICES area VIII)

**AIMS:**

1. To carry out a beam trawl survey of the Western Channel for stock assessment purposes using standardized 4m beam trawls in order to obtain information on:
  - a) Distribution, size composition and abundance of all fish species caught.
  - b) Age – length distribution of selected species.
  - c) Distribution of fish in relation to their environment.
  - d) Distribution of macrobenthos and anthropogenic debris.
  - e) Surface and bottom temperature and salinity data using CTD.
  - f) Length weight & maturity information using individual fish measurements, in support of the EU Data Regulation.
2. To collect acoustic data at two operating frequencies (38 kHz and 120 kHz) continuously throughout the cruise. Data recorded will be used to determine micro scale habitat characterisation.
3. To tag 1500 sole between 25 and 30cm in length from nursery grounds in order to determine the contribution of specific nursery areas to the UK fishery
4. To implant 50 data storage tags in large adult sole captured on spawning grounds in order to determine seasonal patterns of migration.

**PLAN:**

Provisionally RV CEFAS Endeavour will sail from Falmouth on the 22<sup>nd</sup> of March. Staff, other than the SIC already on board from the previous cruise will join the vessel there after travelling down from Lowestoft by hire car. Dave Murphy (skipper of the FV Carhelmar) will be joining us for the duration of the survey as a consultant knowledgeable in the use of chain mat beam trawl gear as well as the fishing grounds.

**GEAR:**

List distributed separately and marked to relevant individuals for action.

Sven Kupschus  
9<sup>th</sup> Feb 2006

**DISTRIBUTION:**

Basic list +  
S. Kupschus (SIC)  
M Parker-Humphreys (2IC)  
S. Walmsley  
M. Easey  
R. Foster  
G. Course  
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