

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

2007 RESEARCH VESSEL PROGRAMME

PROGRAMME: RV CEFAS ENDEAVOUR: SURVEY 16

STAFF:

Part A

B Harley (SIC)
R Humphreys
S McCully
L Clancy
J Smith
L Cox
E Lane

Part B

B Harley (SIC)
R Humphreys
S McCully
R Millner
J Keable
M Eade
B Hatton

DURATION: Part A: 8 August – 25 August
Part B: 26 August – 8 September

LOCATION: North Sea

AIMS:

1. To carry out a groundfish survey of the North Sea as part of the ICES coordinated IBTS, using a standard GOV trawl 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 SAIV miniCTD.
 - f) Length weight & maturity information using individual fish measurements, in support of the EU Data Regulation.
2. To collect fish white muscle and queen scallop tissue for stable isotope analysis, as part of an ongoing study on the effects of fishing in the North Sea (S Jennings, CEFAS Lowestoft).
3. To collect photographs and sections of ovaries from cod, whiting, haddock and saithe for the ‘The workshop on Sexual Maturity Staging of Cod, Whiting, Haddock and Saithe (WKMSCWHS)’ (R Bucholtz, DIFRES).

PLAN:

Provisionally RV Cefas Endeavour will sail from Lowestoft on the morning tide (0600h UTC approx) on 8 August. After a 'shake-down' tow off Lowestoft, Cefas Endeavour will proceed to the Thames to carry out 3 additional GOV tows, outside of the usual IBTS grid, at the request of the Chair of NSSKWG. Staff changes will take place in Leith, Scotland. It is anticipated that a member of the Swedish IBTS will join in Leith for 7 days and disembark in Aberdeen. The survey will continue and dock in Lowestoft on 8 September.

GEAR:

List distributed separately and marked to relevant individuals for action. S Jennings to arrange gear requirements in relation to aim 2.

B Harley
19 June 2007

DISTRIBUTION:

Basic list +

B Harley	R Humphreys
S McCully	L Clancy
J Smith	R Millner
L Cox	J Keable
E Lane	M Eade
S Jennings	B Hatton