

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

2008 RESEARCH VESSEL PROGRAMME

PROGRAMME: RV CEFAS ENDEAVOUR: SURVEY 15

STAFF:

Part A

Fishing

B Harley (SIC)

S McCully (2IC)

R Humphreys

B Hatton

M Parker-Humphreys

L Cox

B Mulligan

Part B

B Harley

S McCully

R Humphreys

B Hatton

R Forster

G Padda

N Hawkes

Environmental (5 August – 11 August (approx))

D Sivyer

F Coucerio (Portsmouth)

L Bristow (UEA)

R Helsby (Partrac)

Kevin Black (Partrac)

Plus up to 6 students from the University of Exeter

Bird and sea mammal observer (11 – 23 August)

DURATION: Part A: 5 August – 23 August
Part B: 24 August – 7 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. Carry out water sampling for Caesium/Tritiums for an internal Cefas contract (SLA21).
3. Collect pipefish samples for Benjamin Kurten, University of Newcastle
4. To recover the Lander at Oyster Grounds and Sean Gas Field sites.
5. To deploy in-situ flume at Oyster Grounds, Sean Gas Field and North Dogger site
6. To collect sediment process measurements at Oyster Grounds, Sean Gas Field and North Dogger
7. To collect net hauled zooplankton samples
8. To collect water samples via CTD rosette at various sites

PLAN:

Provisionally RV Cefas Endeavour will sail from Lowestoft on the morning tide (1200h UTC approx) on 5 August. At this time Remment ter Hofstede, from the Netherlands will join us as part of the IBTS exchange program. After a 'shake-down' tow off Lowestoft, Cefas Endeavour will proceed to stations in the southern North Sea and start the IBTS survey. In the first week, environmental monitoring will be carried out in the evenings and on or around the 11 August, these staff will be put ashore in Lowestoft and the IBTS survey stations will be continued. The survey will dock in Aberdeen on the 23 August in order to change staff and then continue and complete the standard IBTS on or around the 1 September. Once complete the Endeavour will sail to the North East coast and carry out comparative fishing using the GOV rigged with the ground gear bags to complete a project started in January 2008. The survey will continue and dock in Lowestoft on 7 September.

GEAR:

List distributed separately and marked to relevant individuals for action. Trevor Bailey will supply the equipment needed to carry out Aim 2.

B Harley
19 June 2007

DISTRIBUTION:

Basic list +

B Harley	S McCully
R Humphreys	B Hatton
M Parker-Humphreys	R Forster
L Cox	G Padda
B Mulligan	N Hawkes

D Sivyer to distribute to the following:

G Fones (Portsmouth), F Coucerio (Portsmouth), L Bristow (UEA)
E Neubacher (Queen Mary), Kevin Black (Partrac)