

**CENTRE FOR ENVIRONMENT, FISHERIES AND AQUACULTURE SCIENCE
LOWESTOFT LABORATORY, LOWESTOFT, SUFFOLK NR33 OHT
2005 RESEARCH VESSEL PROGRAMME**

PROGRAMME: RV CEFAS ENDEAVOUR: CRUISE 19

STAFF:

<u>Part 1</u>	<u>Part 2</u>
J Ellis (SIC)	J Ellis (SIC)
D Brown (CRP)	D Brown (CRP)
G Burt	G Burt
M Easey	M Easey
J Keable	Sophy McCully
A Tidd (2IC)	Joanne Smith
T Woods	T Woods (2IC)
Dave Palmer	

DURATION: Part 1: 13–29 November; part 2: 30 November–13 December.

LOCATION: Irish Sea, Celtic Sea, western English Channel.

AIMS:

1. To carry out a trawl survey of the Irish Sea, Celtic Sea and western English Channel (ICES divisions VII a, e-j), using the modified GOV trawl with rockhopper ground gear on hard grounds and standard IBTS GOV trawl on fine grounds, as part of the west coast IBTS series and in support of the EU data regulations, to obtain information on:
 - (a) Distribution, size composition and relative abundance of fish, cephalopods, and benthic invertebrates
 - (b) Age-length distribution of commercial fish species for ICES WG input and biological studies
 - (c) Biological parameters of selected species
 - (d) Environmental parameters (including CTD profiles and sediment samples) at trawl stations
2. To tag and release specimens of spurdog *Squalus acanthias*, smooth-hound *Mustelus* spp., tope *Galeorhinus galeus* and greater-spotted dogfish *Scyliorhinus stellaris*.
3. To sample the epibenthos in ICES divisions VIIIf-h with 2m beam trawl
4. To record details of surface sightings of any marine mammals, sea turtles and pelagic fish, and record observations on jellyfish aggregations
5. To undertake scallop sampling in the eastern English Channel (C2282)
6. To collect biological material in support of research projects:
 - (a) Samples of sprat *Sprattus sprattus* and anchovy *Engraulis encrasicolus* should be collected at various sites in the survey area (where n=100 per sample) and frozen for genetic studies
 - (b) Samples of scallop *Pecten maximus* should be frozen (D. Palmer, Cefas)
 - (c) Samples of berried edible crab *Cancer pagurus* should be frozen (D. Eaton, Cefas)

- (d) Samples of a wide range of invertebrates should be preserved in ethanol for genetic studies (C. Fox, Cefas)

RV CEFAS ENDEAVOUR will sail from Lowestoft on 13 November and proceed to the eastern English Channel to undertake scallop dredging. After completing this work, RV CEFAS ENDEAVOUR will sail to the western English Channel to begin the trawl survey using the modified GOV with rockhopper ground gear. This gear will be used around Cornwall, St George's Channel and central Irish Sea. After completing these stations, the standard GOV will be rigged and the remaining parts of the Irish Sea study area surveyed. The vessel will dock in Cork on 29 November for a change of staff. After departing from Cork, RV CEFAS ENDEAVOUR will complete stations in the Celtic Sea with the standard GOV, and then complete remaining hard ground stations in this area. The cruise is scheduled to end in Falmouth on 13 December.

GEAR:

List distributed separately and marked to relevant individuals for action.

J Ellis
13 October 2005

INITIALLED RSM

DISTRIBUTION:

Basic list
Staff on Cruise
Devon SFC
Cornwall SFC
South Wales SFC
Isles of Scilly SFC
Wales & NW SFC