

DEPARTMENT FOR ENVIRONMENT, FOOD AND RURAL AFFAIRS
CEFAS, LOWESTOFT LABORATORY, SUFFOLK, ENGLAND

2003 RESEARCH VESSEL PROGRAMME

PROGRAMME: RV CEFAS ENDEAVOUR: CRUISE 1/03 (Revised)

STAFF:	Part one	Part two
	R Ayers (SIC)	R Ayers (SIC)
		J Read (2IC)
	T Boon	T Boon
	B Rackham	B Rackham
	J Dann	J Dann
	S Warnes	
	G Course	G Course
	W Meadows	W Meadows
		L Fernand
		J Rees
	B Horton	
	Simrad Staff	
	SeaTronics Staff	
		EDS staff 1
		EDS staff 2

DURATION: 6th to 11th May 2003

LOCALITY : North Sea

AIMS:

1. To trial scientific equipment that will be used during the first research cruises onboard CEFAS Endeavour.
The trials are to :
 - a) Ensure that deployed equipment can be safely deployed and recovered.
 - b) Once deployed that the equipment functions correctly.
 - c) Non-deployed equipment (Echo sounders, IT systems, Data logging etc.) is functioning correctly and to familiarise staff with its use.
 - d) To familiarise officers, crew and scientists with the vessel, her equipment and capabilities.
 - e) To provide training opportunities for personnel involved in the use of new equipment and capabilities.

Specific equipment requested for trials (will be used on cruises up-to Feb 04)

2m Beam trawl, Jennings spec. (6/03 , 7/03)
GOV trawl with ITI trawl monitoring system (6/03)
GOV trawl with Scanmar trawl monitoring system
(comparative work before switch to ITI)
GOV trawl with ITI door monitoring and Scanmar wing-end monitoring.

(comparative work before switch to ITI)
TTN, deployment/recovery using docking latch and Aft A frame (3/03)
Camera sledge deployment/recovery using Aft A frame (4a/03, 9/03)
Moored buoy rigs (8/03, 1/04, 2/04)
Day grab (4a/03)
Reineck corer (trial in place of Hammond for 4a/03 and 4b/03)
Multibeam sounder (4a/03)
ADCP
SideScan (4a/03)
Scallop dredges (4b/03)
Van Veen Grab, speed and reliability of operation and multiple grabs in an area(6/03)
CTD Rosette

2. Undertake a multi-beam acoustic survey of wreck site in Dunwich area
3. Undertake a multi-beam acoustic survey of relinquished gravel extraction site 222
4. Evaluate Scanmar trawl monitoring system
5. Test ITI trawl monitoring system, success of this item is essential for cruise 6/03
6. Test and accept TV/Satellite system
7. Continue with design EDC carriers for wet-lab
8. Design balance head fittings for wet-lab
9. Monitor CT room temperature controls
10. Verify reeving on gear for below deck winches.
11. If practical to collect biological samples for species where market based sampling is likely to be deficient in 2003 for EU data regulation requirements:
 - a) Cod, Length and otolith samples
 - b) Skates and rays, morphometric, maturity and length weight.
 - c) Turbot & Brill Length and Otolith samples.
12. If practical recover and redeploy gabbard buoy
13. If time and weather conditions allow, complete configuration of workboat davits

R A Ayers
30th April 2003