

**CENTRE FOR ENVIRONMENT, FISHERIES AND AQUACULTURE
SCIENCE
LOWESTOFT LABORATORY, LOWESTOFT, SUFFOLK NR33 OHT
2003 RESEARCH VESSEL PROGRAMME**

PROGRAMME: RV CIROLANA: CRUISE 2

STAFF:

Part 1

S Warnes (SIC)
M Boon (2 SIC)
T Watson
D Brown
G Burt
S Warne
M Brown
L Greenwood

Part 2

S Warnes (SIC)
S Flatman (2 SIC)
T Watson
D Brown
G Burt
M Easey
T Woods
A Tidd
S Kupschus

DURATION: Part 1: 4 – 20 March. Part 2: 21 March - 4 April

LOCATION: Celtic Sea, South-Western Approaches, and western English Channel.

AIMS:

1. To carry out a trawl survey of the Celtic Sea, to obtain information on:
 - a) Distribution, size composition and abundance of all fish species.
 - b) Age - length distribution of selected species.
 - c) The distribution of roundfish in areas recently identified by the Southwest industry.
 - d) The detailed distribution of spawning cod (*Gadus morhua*) in the NW of ICES Division VIIg (Celtic Sea).
 - e) Collect biological data in support of the EU Data Collection Regulation.
2. To sample juvenile fish for recruitment studies.
3. To collect material for fish identification courses.
4. To collect and preserve frozen, all scallops (*Pecten maximus*) that are caught.
5. To continue the development and testing of electronic data capture equipment.

6. To collect plankton samples in order to estimate onset of mackerel (*Scomber scombrus*) spawning (S. Milligan).
7. To collect hake (*Merluccius merluccius*) maturity and fecundity material (P. Witthames).
8. To obtain length distributions of mackerel within the Mackerel Box (C. Darby).
9. To carry out comparative fishing trials with Celtic Explorer in a variety of depths and on a mix of bottom types.

RV CIROLANA will sail from Lowestoft on the lunchtime tide on 4 March and proceed to the SW fishing grounds to begin the trawl survey. The vessel will dock in Galway (Ireland) on 20 March and sail again on the 21 March. Staff for part 2 will travel to Galway on 20 March and staff from part 1 will leave the vessel on the 20 March.

GEAR:

List distributed separately and marked to relevant individuals for action.

S Warnes
10 February 2003

INITIALLED RSM

DISTRIBUTION:
Basic list
Staff on Cruise
Devon SFC
Cornwall SFC
South Wales SFC
Isles of Scilly SFC