

R1/6

Not to be cited without prior reference to the Laboratory.

FRV "Clupea"

8CR87

Cruise 8/87

Report

6-15 July 1987

Personnel

| | |
|-------------|----------------------------|
| R S Bailey | PSO (in charge) 12-15 July |
| P Hopkins | HSO (in charge) 6-12 July |
| F Armstrong | SO |
| B Smith | Craftsman |
| J Fuller | Staff Inspector 9 July |
| K Hughes | Staff Inspector 9 July |

Objectives

To carry out an echointegrator survey of the Firth of Clyde.

Narrative

"Clupea" left Buckie at 1115 on 6 July and set sail for the Clyde via the Pentland Firth. En route "Clupea" anchored at Tobermory Bay on 7 July and the acoustic equipment was calibrated. The Clyde was reached by 0700 on 8 July and echointegration began at 0800. At 1000 radio contact was made with the charter vessels "Erica" and "Acorn" which joined the survey. Echointegration continued during daylight hours until 14 July with "Erica" and "Acorn" fishing to identify echotraces observed by "Clupea". The cruise track is attached.

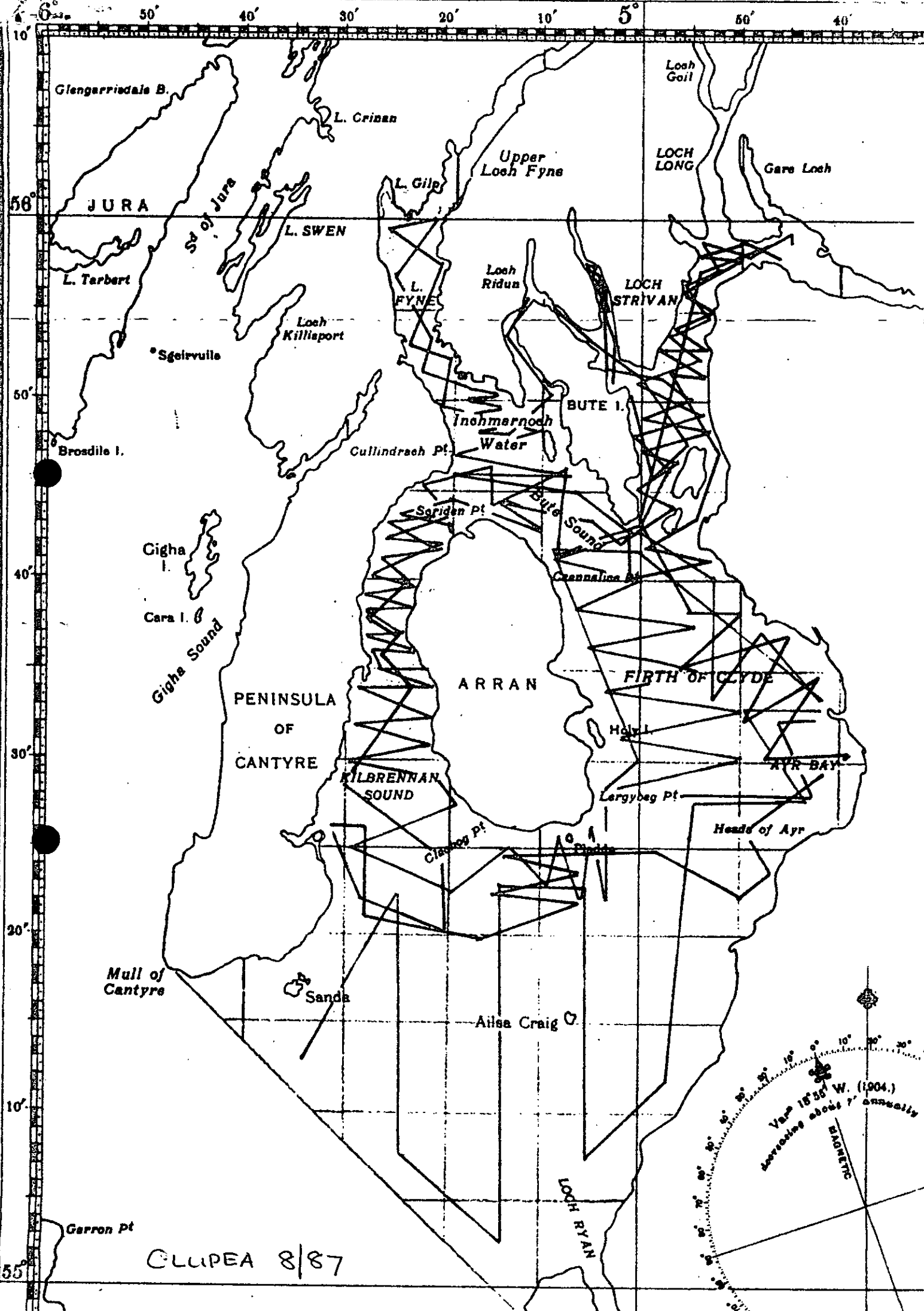
Results

The greatest densities of fish were seen in the river Clyde and Loch Striven. Smaller concentrations were observed in Ayr Bay, Kilbrennan Sound and its southern approaches and the area south of Bute. Scattered marks of adult herring were also seen west of Inchmarnoch Island and the entrance to Loch Fyne. A more intensive grid was followed in this area to obtain better estimates of biomass.

R S Bailey
P Hopkins

17 August 1987

Seen in draft : W Smith



Glengarrisdale B.

L. Crinan

Upper Loch Fyne

Loch Goil

LOCH LONG

Gare Loch

JURA

S. of Jura

L. SWEN

L. Gilp

L. Tarbert

L. Fyne

Loch Ridun

LOCH STRIVIAN

Sgeirvulle

Loch Killisport

BUTE I.

Brosdile I.

Cullindrach Pt.

Inchmarnoch Water

Gigha I.

Cara I.

Gigha Sound

Seriden Pt.

Bute Sound

Cannalish Pt.

ARRAN

FIRTH OF CLYDE

PENINSULA OF CANTYRE

KILBRENNAN SOUND

Holy I.

AYR BAY

Largybeg Pt.

Heads of Ayr

Clash Pt.

Mull of Cantyre

Sanda

Ailsa Craig

Garron Pt

CLUPEA 8/87

