

R1/6

In Confidence - Not to be quoted without prior reference to the Laboratory

Cruise 8/82

8CR82

FRV "Clupea"
Report

6-17 Sept 1982

Personnel

P Rankine SO (in charge)
D Beveridge ASO
C Stewart Craftsman

Objectives

1. To carry out a herring larval survey off the east coast of Scotland as part of the ICES coordinated North Sea Herring Larval Surveys.
2. To collect surface water samples for salinity and radio-caesium monitoring at Buckie ($57^{\circ}41'N$ $02^{\circ}58'W$) and Arbroath ($56^{\circ}32'N$ $02^{\circ}20'W$).

Narrative

FRV "Clupea" left Buckie at 2315 on the 6th September. A sample of seawater for salinity and radio-caesium analysis was collected off Buckie while en route to Station 14. Stations were then sampled in the order indicated in Figure 1. Due to the increasingly rough weather sampling was discontinued at Station 8 at 1645 on the 7th September and "Clupea" steamed inshore to Station 24 where the survey was continued at 2000 hrs. Sampling was again discontinued due to rough weather at Station 51 at 0205 on the 8th and "Clupea" then made for St Andrews Bay where an anchorage was found at 0500 hrs. The survey was resumed at 1700 hrs on the same day, at Station 62. The survey continued until 1930 on the 9th September when due to severe weather conditions "Clupea" made for Aberdeen, docking at 2300 hrs. Due to the southerly gale "Clupea" remained in port on 10th September; a plate in the bow which was knocked out on the previous night being replaced.

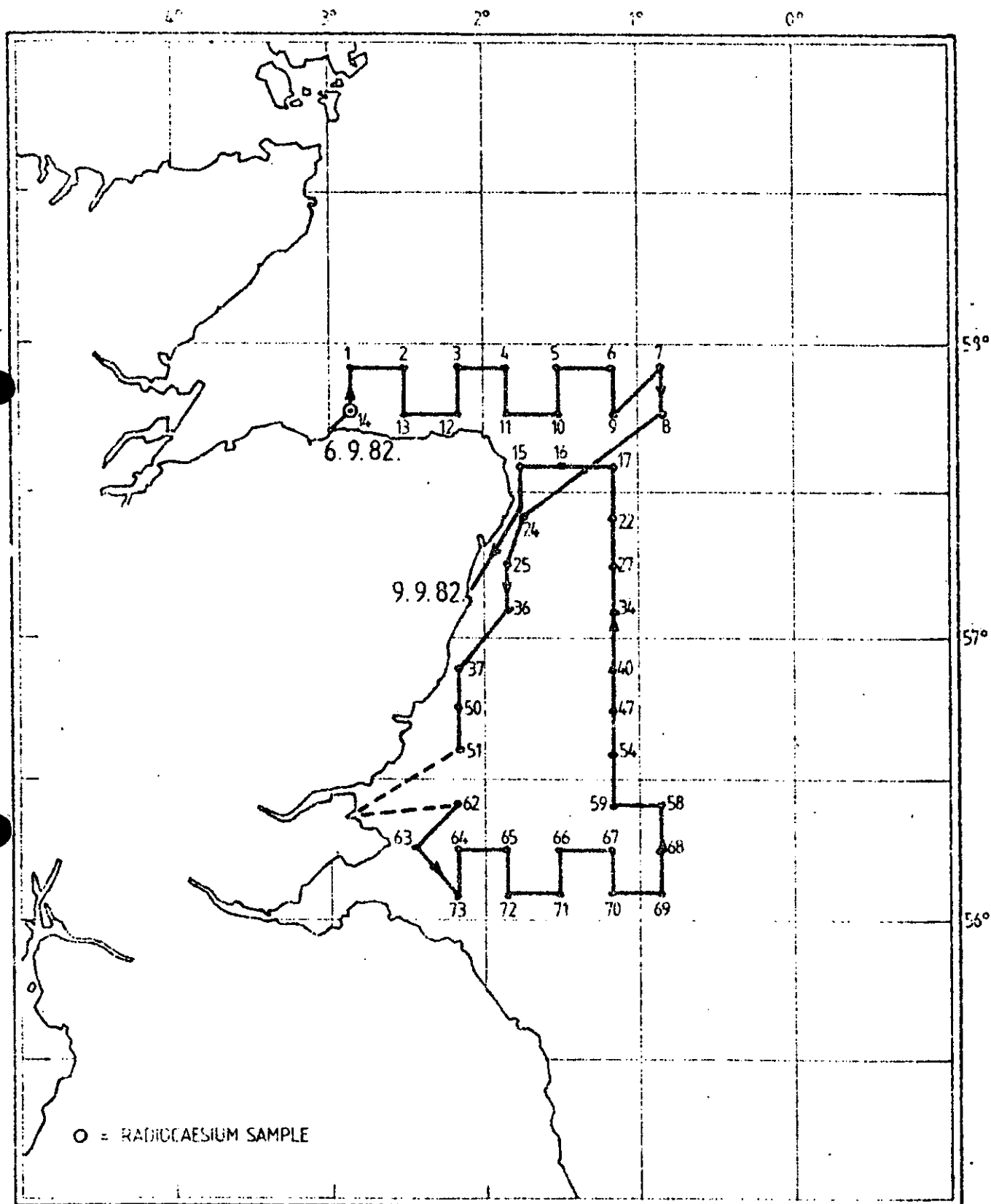
On the following Monday the 13th of September "Clupea" left Aberdeen at 1000, sampling commencing at 1200 at Station 35. Stations were then sampled in the order indicated in Figure 2. A second water sample was collected off Arbroath and sampling was continued until 1800 on the 15th of September when a night anchorage was found in Montrose Bay. The survey was resumed at 0300 the next day. "Clupea" finally put into Aberdeen at 0830 on the 17th of September.

Results

All Stations (73) were sampled once and 45 twice. No immediately obvious concentrations of herring larvae were located.

Paul Rankine
13 Oct 1982

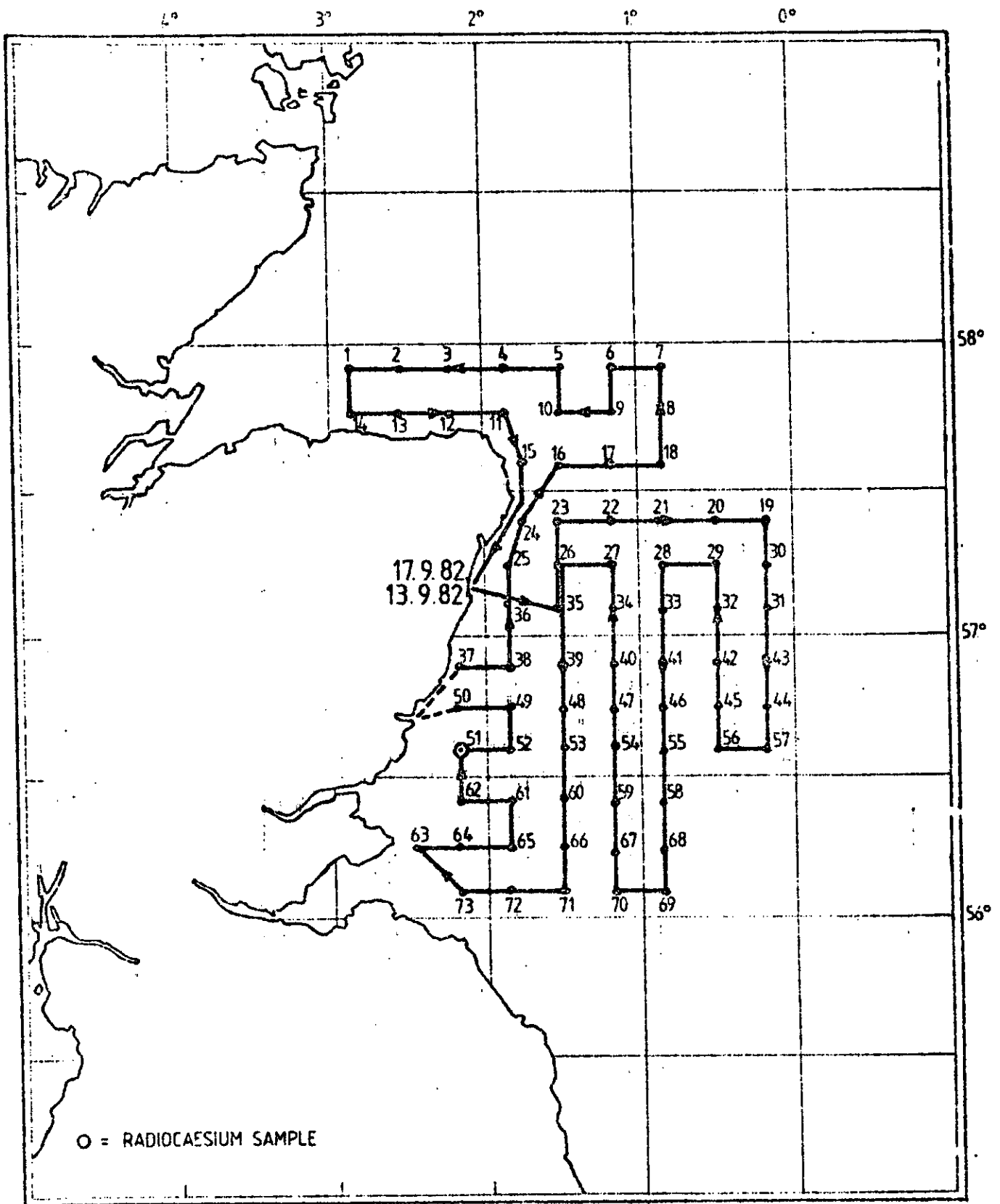
Seen in draft G Geddes



FRV Clupea

6.9. - 10.9. 82.

CR 882 part 1



FRV Clupea

13.9. - 17.9. 82.

CR 882 part 2