

R1/12

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FRV *Scotia*

Cruise 0991S Part 1

6-11 September 1991

REPORT

Personnel

P W Rankine	HSO (in charge)
L Cargill	SO
J Turriff	ASO
N T Nicoll	Visitor

Objectives

1. To participate in the ICES coordinated herring larval surveys in ICES Sub-Division VIa(N) (west of Scotland).
2. To count and identify all herring and other fish larvae collected in the plankton samples during the survey.
3. To collect surface sea water temperature and salinity data during the survey.
4. To obtain micro-photographs of live zooplankton and fish larvae.

Narrative

Scotia left Aberdeen at 0930 on 6 September after loading of equipment the previous day. Sampling commenced at 0800 the following day at station 36 off the north coast of Scotland. The survey grid depicted in Figure 1 was then worked without interruption and surface sea water salinity and temperature data were also collected during this time. Sampling was discontinued at 0800 on 10 September at station 110 in order to steam to Ullapool to rendezvous with the chartered vessel *Alkaid*. All equipment was transferred to *Alkaid* during the morning of 11 September. Mr Nicoll left the vessel at this time to return to Aberdeen.

General

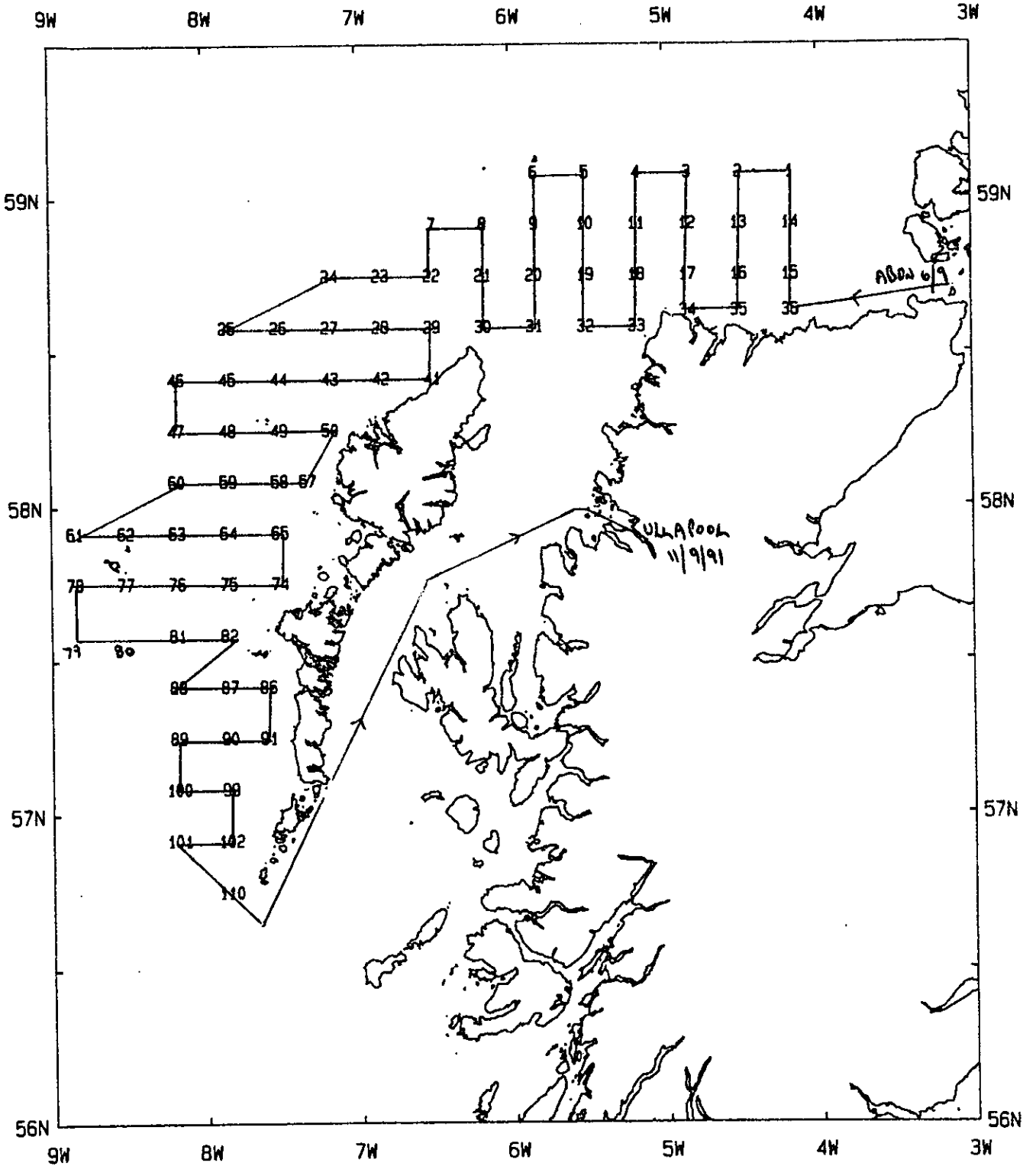
A total of 79 plankton hauls were made during the survey covering the core area of the IHLS sampling grid. All samples were examined on board for the presence of herring and other fish larvae. Large concentrations of herring larvae were encountered on the spawning areas off the north coast of Scotland. Larval numbers per m² are given in Figure 2.

Microphotographs of various species of live zooplankton were obtained during the trip.

Paul Rankine
29 October 1991

Fig. 1

IHLS SCOTIA 6-11 SEPT CRUISE TRACK



IHLS SCOTIA 6-11 SEPT HERRING LARVAE/M2

